NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : ARa25B11

Lot# : 7671_B5Je

Vector : pKA1U5

Gene	UNC93B1	
RefSeq_mRNA	NM_030930.4	2294 bp

● Plasmid DNA purification

Date :2025/10/15 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date :2025/10/16 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date :2025/10/16

DNA concentration (O.D.): 393 ng/ul

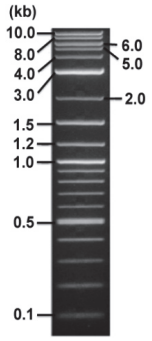
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

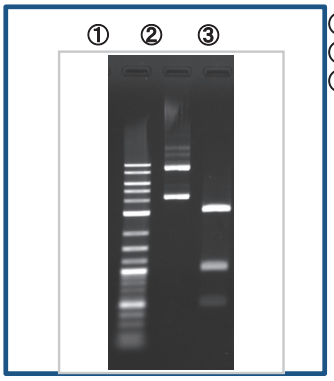
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.0, 1.0, 0.5 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)





①:Marker
②:uncut
③:BamHI

● Confirmation of the sequence

Date : 2025/10/21

full sequence	ARa25B11hts01.seq

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2025/10/22

DNA (393 ng/ul)	86ul
10x TE	135ul
dH_2O	1,131ul
Total	1,352ul

● Shipping

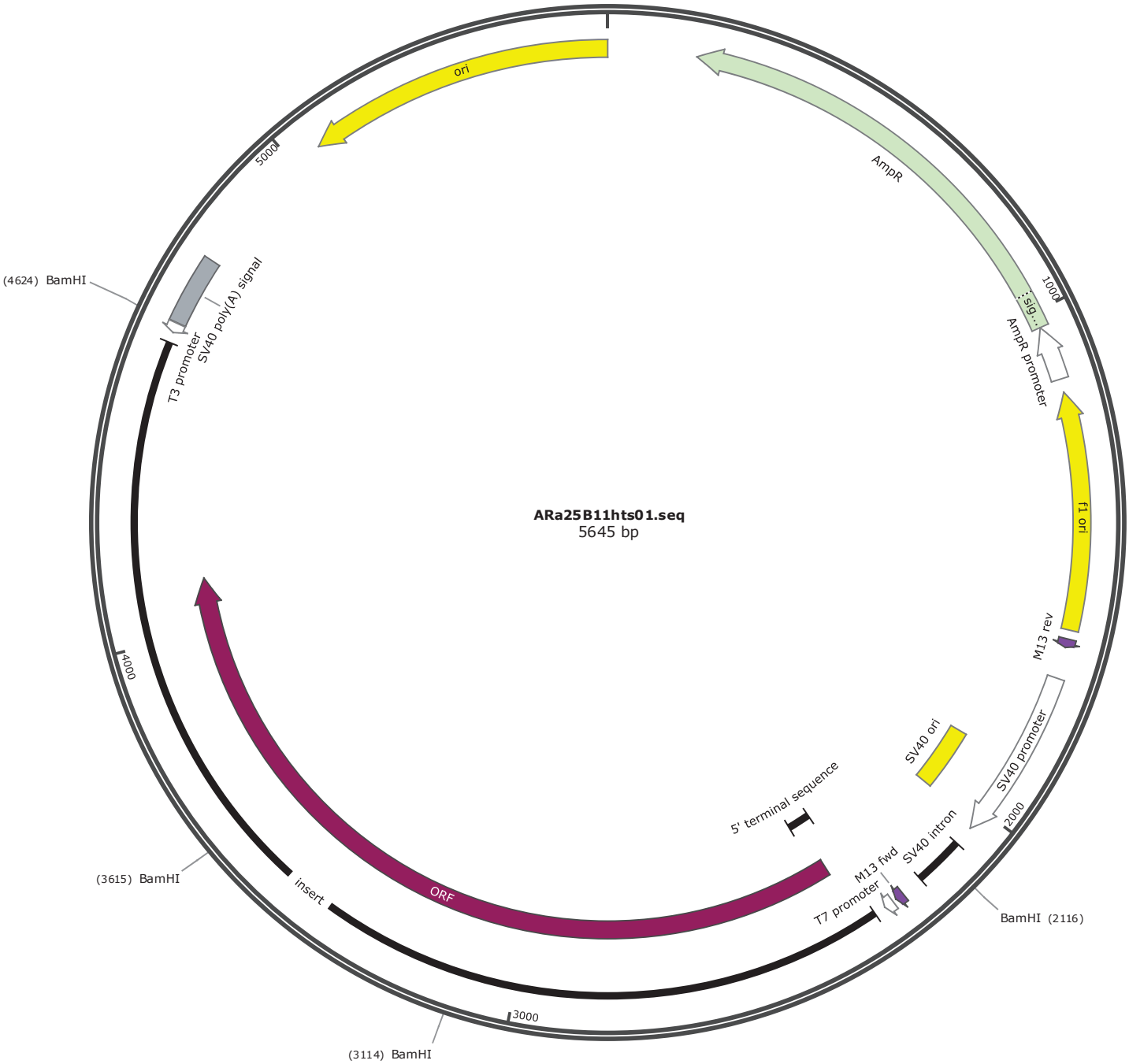
☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : __ ng/μl, Volume : __ μl

APPROVED BY : 検 '25.10.22 笹沼

http://dna.brc.riken.jp/index.html

1 つのフィーチャーが非表示です



BLAST ® » blastn suite-2sequences » RID-FEF0RT6N114

BLAST Results

Questions/comments

Blast 2 sequences

Job title: BC023549:Homo sapiens Fas (TNFRSF6) binding...

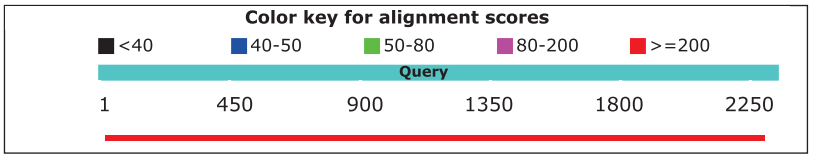
RID FEF0RT6N114 (Expires on 10-22 15:53 pm)

Query ID	NM_030930.4	**Subject ID**	lcl|Query_6800105
Description	Homo sapiens unc-93B1 regulator of TLR signaling (UNC93B1), mRNA	**Description**	None See details
Molecule type	nucleic acid	**Molecule type**	dna
Query Length	2294	**Subject Length**	5645
		Program	BLASTN 2.17.0+

ARe25B11hts01.seq

Graphic Summary

Distribution of the top 1 Blast Hits on 1 subject sequences



Dot Matrix View

Descriptions

Sequences producing significant alignments:

Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
None provided	4180	4180	99%	0.0	99.91%	Query_6800105

Alignments

Sequence ID: Query_6800105 Length: 5645 Number of Matches: 1
Range 1: 2285 to 4553

Score	Expect	Identities	Gaps	Strand	Frame
4180 bits(2263)	0.0()	2267/2269(99%)	0/2269(0%)	Plus/Plus	

Features:

```
CDS:protein unc-93 h  1                                   M  E  A  E  P  P  L  Y  P
Query                 22    GGCGACCGCCGCGAGTCCGCAGTAGTTCGGGCCATGGAGGCGGAGCCGCCGCTCTACCCG  81
Sbjct                 2285  ............................................................  2344

CDS:protein unc-93 h  10     M  A  G  A  A  G  P  Q  G  D  E  D  L  L  G  V  P  D  G  P
Query                 82    ATGGCGGGGGCTGCGGGGCCGCAGGGCGACGAGGACCTGCTCGGGGTCCCGGACGGGCCC  141
Sbjct                 2345  ............................................................  2404

CDS:protein unc-93 h  30     E  A  P  L  D  E  L  V  G  A  Y  P  N  Y  N  E  E  E  E  E
Query                 142   GAGGCCCCGCTGGACGAGCTGGTGGGCGCGTACCCCAACTACAACGAGGAGGAGGAGGAG  201
Sbjct                 2405  ............................................................  2464

CDS:protein unc-93 h  50     R  R  Y  Y  R  R  K  R  L  G  V  L  K  N  V  L  A  A  S  A
Query                 202   CGCCGCTACTACCGCCGCAAGCGCCTGGGCGTGCTCAAGAACGTGCTGGCTGCCAGCGCC  261
Sbjct                 2465  ............................................................  2524

CDS:protein unc-93 h  70     G  G  M  L  T  Y  G  V  Y  L  G  L  L  Q  M  Q  L  I  L  H
Query                 262   GGGGGCATGCTCACCTACGGCGTCTACCTGGGCCTCCTGCAGATGCAGCTGATCCTGCAC  321
Sbjct                 2525  ............................................................  2584

CDS:protein unc-93 h  90     Y  D  E  T  Y  R  E  V  K  Y  G  N  M  G  L  P  D  I  D  S
Query                 322   TACGACGAGACCTACCGCGAGGTGAAGTATGGCAACATGGGGCTGCCCGACATCGACAGC  381
Sbjct                 2585  ............................................................  2644
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CDS:protein unc-93 h  110   K  M  L  M  G  I  N  V  T  P  I  A  A  L  L  Y  T  P  V  L
Query                 382   AAAATGCTGATGGGCATCAACGTGACTCCCATCGCCGCCCTGCTCTACACACCTGTGCTC  441
Sbjct                 2645  ..............................................................  2704

CDS:protein unc-93 h  130   I  R  F  F  G  T  K  W  M  M  F  L  A  V  G  I  Y  A  L  F
Query                 442   ATCAGGTTTTTTGGAACGAAGTGGATGATGTTCCTCGCTGTGGGCATCTACGCCCTCTTT  501
Sbjct                 2705  ..............................................................  2764

CDS:protein unc-93 h  150   V  S  T  N  Y  W  E  R  Y  Y  T  L  V  P  S  A  V  A  L  G
Query                 502   GTCTCCACCAACTACTGGGAGCGCTACTACACGCTTGTGCCCTCGGCTGTGGCCCTGGGC  561
Sbjct                 2765  ..............................................................  2824

CDS:protein unc-93 h  170   M  A  I  V  P  L  W  A  S  M  G  N  Y  I  T  R  M  A  Q  K
Query                 562   ATGGCCATCGTGCCTCTTTGGGCTTCCATGGGCAACTACATCACCAGGATGGCGCAGAAG  621
Sbjct                 2825  ..............................................................  2884

CDS:protein unc-93 h  190   Y  H  E  Y  S  H  Y  K  E  Q  D  G  Q  G  M  K  Q  R  P  P
Query                 622   TACCATGAGTACTCCCACTACAAGGAGCAGGATGGGCAGGGGATGAAGCAGCGGCCTCCG  681
Sbjct                 2885  ..............................................................  2944

CDS:protein unc-93 h  210   R  G  S  H  A  P  Y  L  L  V  F  Q  A  I  F  Y  S  F  F  H
Query                 682   CGGGGCTCCCACGCGCCCTATCTCCTGGTCTTCCAAGCCATCTTCTACAGCTTCTTCCAT  741
Sbjct                 2945  ..............................................................  3004

CDS:protein unc-93 h  230   L  S  F  A  C  A  Q  L  P  M  I  Y  F  L  N  H  Y  L  Y  D
Query                 742   CTGAGCTTCGCCTGCGCCCAGCTGCCCATGATTTATTTCCTGAACCACTACCTGTATGAC  801
Sbjct                 3005  ..............................................................  3064

CDS:protein unc-93 h  250   L  N  H  T  L  Y  N  V  Q  S  C  G  T  N  S  H  G  I  L  S
Query                 802   CTGAACCACACGCTGTACAATGTGCAGAGCTGCGGCACCAACAGCCACGGGATCCTCAGC  861
Sbjct                 3065  ..............................................................  3124

CDS:protein unc-93 h  270   G  F  N  K  T  V  L  R  T  L  P  R  S  G  N  L  I  V  V  F
Query                 862   GGCTTCAACAAGACGGTTCTGCGGACGCTCCCGCGGAGCGGAAACCTCATTGTGGTGGAG  921
Sbjct                 3125  ..............................................................  3184

CDS:protein unc-93 h  290   S  V  L  M  A  V  A  F  L  A  M  L  L  V  L  G  L  C  G  A
Query                 922   AGCGTGCTCATGGCAGTGGCCTTCCTGGCCATGCTGCTGGTGCTGGGTTTGTGCGGAGCC  981
Sbjct                 3185  ..............................................................  3244

CDS:protein unc-93 h  310   A  Y  R  P  T  E  E  I  D  L  R  S  V  G  W  G  N  I  F  Q
Query                 982   GCTTACCGGCCCACGGAGGAGATCGATCTGCGCAGCGTGGGCTGGGGCAACATCTTCCAG  1041
Sbjct                 3245  ..............................................................  3304

CDS:protein unc-93 h  330   L  P  F  K  H  V  R  D  Y  R  L  R  H  L  V  P  F  F  I  Y
Query                 1042  CTGCCCTTCAAGCACGTGCGTGACTACCGCCTGCGCCACCTCGTGCCTTTCTTTATCTAC  1101
Sbjct                 3305  ..............................................................  3364

CDS:protein unc-93 h  350   S  G  F  E  V  L  F  A  C  T  G  I  A  L  G  Y  G  V  C  S
Query                 1102  AGCGGCTTCGAGGTGCTCTTTGCCTGCACTGGTATCGCCTTGGGCTATGGCGTGTGCTCG  1161
Sbjct                 3365  ..............................................................  3424

CDS:protein unc-93 h  370   V  G  L  E  R  L  A  Y  L  L  V  A  Y  S  L  G  A  S  A  A
Query                 1162  GTGGGGCTGGAGCGGCTGGCTTACCTCCTCGTGGCTTACAGCCTGGGCGCCTCAGCCGCC  1221
Sbjct                 3425  ..............................................................  3484

CDS:protein unc-93 h  390   S  L  L  G  L  L  G  L  W  L  P  R  P  V  P  L  V  A  G  A
Query                 1222  TCACTCCTGGGCCTGCTGGGCCTGTGGCTGCCACGCCCGGTGCCCCTGGTGGCCGGAGCA  1281
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1275 C>T


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Sbjct                 3485  ..............................................T...............  3544

CDS:protein unc-93 h  410   G  V  H  L  L  L  T  F  I  L  F  F  W  A  P  V  P  R  V  L
Query                 1282  GGGGTGCACCTGCTGCTCACCTTCATCCTCTTTTTCTGGGCCCCTGTGCCTCGGGTCCTG  1341
Sbjct                 3545  ..............................................................  3604

CDS:protein unc-93 h  430   Q  H  S  W  I  L  Y  V  A  A  A  L  W  G  V  G  S  A  L  N
Query                 1342  CAACACAGCTGGATCCTCTATGTGGCAGCTGCCCTTTGGGGTGTGGGCAGTGCCCTGAAC  1401
Sbjct                 3605  ..............................................................  3664

CDS:protein unc-93 h  450   K  T  G  L  S  T  L  L  G  I  L  Y  E  D  K  E  R  Q  D  F
Query                 1402  AAGACTGGACTCAGCACACTCCTGGGAATCTTGTACGAAGACAAGGAGAGACAGGACTTC  1461
Sbjct                 3665  ..............................................................  3724

CDS:protein unc-93 h  470   I  F  T  I  Y  H  W  W  Q  A  V  A  I  F  T  V  Y  L  G  S
Query                 1462  ATCTTCACCATCTACCACTGGTGGCAGGCTGTGGCCATCTTCACCGTGTACCTGGGCTCG  1521
Sbjct                 3725  ..............................................................  3784

CDS:protein unc-93 h  490   S  L  H  M  K  A  K  L  A  V  L  L  V  T  L  V  A  A  A  V
Query                 1522  AGCCTGCACATGAAGGCTAAGCTGGCGGTGCTGCTGGTGACGCTGGTGGCGGCCGCGGTC  1581
Sbjct                 3785  ..............................................................  3844

CDS:protein unc-93 h  510   S  Y  L  R  M  E  Q  K  L  R  R  G  V  A  P  R  Q  P  R  I
Query                 1582  TCCTACCTGCGGATGGAGCAGAAGCTGCGCCGGGGCGTGGCCCCGCGCCAGCCCCGCATC  1641
Sbjct                 3845  ..............................................................  3904

CDS:protein unc-93 h  530   P  R  P  Q  H  K  V  R  G  Y  R  Y  L  E  E  D  N  S  D  E
Query                 1642  CCGCGGCCCCAGCACAAGGTGCGCGGTTACCGCTACTTGGAGGAGGACAACTCGGACGAG  1701
Sbjct                 3905  ..............................................................  3964

CDS:protein unc-93 h  550   S  D  A  E  G  E  H  G  D  G  A  E  E  E  A  P  P  A  G  P
Query                 1702  AGCGACGCGGAGGGCGAGCATGGGGACGGCGCGGAGGAGGAGGCGCCGCCCGCAGGGCCC  1761
Sbjct                 3965  ..............................................................  4024

CDS:protein unc-93 h  570   R  P  G  P  E  P  A  G  L  G  R  R  P  C  P  Y  E  Q  A  Q
Query                 1762  AGGCCTGGCCCCGAGCCCGCTGGACTCGGCCGCCGGCCCTGCCCGTACGAACAGGCGCAG  1821
Sbjct                 4025  ..............................................................  4084

CDS:protein unc-93 h  590   G  G  D  G  P  E  E  Q
Query                 1822  GGGGGAGACGGGCCGGAGGAGCAGTGAGGGGCCGCCTGGTCCCCGGACTCAGCCTCCCTC  1881
Sbjct                 4085  ..............................................................  4144

Query                 1882  CTCGCCGGCCTCAGTTTACCACGTCTGAGGTCGGGGGGACCCCCTCCGAGTCCCGCGCTG  1941
Sbjct                 4145  ..............................................................  4204

Query                 1942  TCTTCAAAGGCCCCTGTCTCCCCTCCCCCACGTTGGGGACGCCCCTCCCAGAGCCCAGGT  2001
Sbjct                 4205  ..............................................................  4264

Query                 2002  CACCTCCGGGCTTCCGCAGCCCCCTCCAAGGCGGAGTGGAGCCTTGGGAACCCCTCGGCC  2061
Sbjct                 4265  ..............................................................  4324

Query                 2062  AAGCACAGGGGTTCGAAAATACAGCTGAAACCCCGCGGGCCCTTAGCACGCGCCCCAGCG  2121
Sbjct                 4325  ..............................A...............................  4384

Query                 2122  CCGGAGCACGGTCAGGGTCTTCTTGCGACCCGGCCCGCTCCAGATCCCCACAGCTCTCGG  2181
Sbjct                 4385  ..............................................................  4444

Query                 2182  CCGCGGACCCGGGCCGCGTGTGAGCGCACTTTGCACCTCCTATCCCCAGGGTCCGCCGAG  2241
Sbjct                 4445  ..............................................................  4504
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Query  2242  AGCCACGATTTTTTACAGAAAATGAGCAATAAAGAGATTTTGTACTGTC  2290
Sbjct  4505  ..................................................  4553
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