NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : RBdS154O06

Lot# : 6608_B6Ii

Vector : pGCAP10

Gene	ZBTB8OS	
RefSeq_mRNA	NM_178547.5	1567 bp

● Plasmid DNA purification

Date : 2026/09/28 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2026/09/29 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2026/09/29

DNA concentration (O.D.): 265 ng/ul

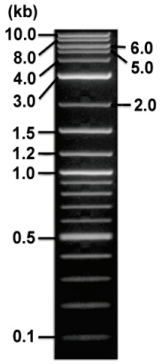
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

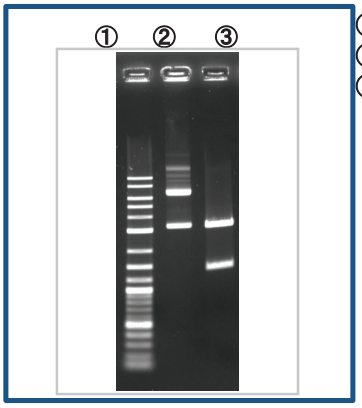
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.4 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 : 2026/10/01

full sequence	RBdS154O06hts01.seq

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2026/10/06

DNA (265 ng/ul)	86 ul
10x TE	91 ul
dH_2O	734 ul
Total	912 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY : 検 '26.10.06 笹沼

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


(4063) BamHI
T3 promoter
SV40 poly(A) signal
4000
ori
500
ORF
3500
insert
RBdS154O06hts01.seq
4495 bp
1000
AmpR
5' terminal sequence
T7 promoter
M13 fwd
SV40 intron
3000
1500
AmpR promoter
sign...
SV40 ori
(2705) BamHI
SV40 promoter
M13 rev
f1 ori
2500
2000

BLAST Results

Questions/comments

Blast 2 sequences

Job title: NM_001366269:Homo sapiens tRNA splicing ligase...

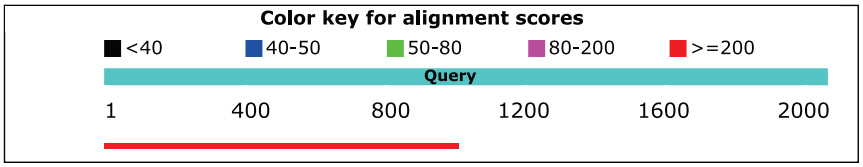
RID BW0S0AN0114 (Expires on 10-02 14:51 pm)

Query ID	NM_001330475.2	**Subject ID**	lcl|Query_4274577
Description	Homo sapiens tRNA splicing ligase complex subunit 1 (TSLIG1), transcript variant 9, mRNA	**Description**	None See details
Molecule type	nucleic acid	**Molecule type**	dna
Query Length	2015	**Subject Length**	4495
		Program	BLASTN 2.17.0+

RBdS154O06hts01.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	1851	1851	50%	0.0	100.00%	Query_4274577

Alignments

Sequence ID: Query_4274577 Length: 4495 Number of Matches: 1
Range 1: 2997 to 3998

Score	Expect	Identities	Gaps	Strand	Frame
1851 bits(1002)	0.0()	1002/1002(100%)	0/1002(0%)	Plus/Plus	

Features:

```
Query  1     AGCCATTTTCTTGAAGGCTATTAAGCTTACGACCCTTTCAGAGTACTGAGATGAAAAATC  60
Sbjct  2997  ............................................................  3056

Query  61    TAGAATGCCTTCGGGTCTAGTTATCAATTTTGGGGGTGAAGCGGGGGAAAGAACCTCGCC  120
Sbjct  3057  ............................................................  3116

Query  121   AGTCAGACCCAGACGGGTTTCATTCAAGGTGCCCTTCAACGTTTTTCCTTAGTCTTTGGA  180
Sbjct  3117  ............................................................  3176

Query  181   AAGAACTAGTAATGAAGGAATCGCAGAAGATGGGGTTTTGGCTTTTTAAATATGCGATCC  240
Sbjct  3177  ............................................................  3236

Query  241   AAGCGGCAGGGTAGGGACTAAAGTAGGTCAACAGCCAACTCCGAGAAAGGAGTGTGGTCC  300
Sbjct  3237  ............................................................  3296

Query  301   TTTAAGGGTGTGCGCCAAGGGGCGGAGTCTAGAGCGGAAGTAGTAACTCCGGGCCGAAGT  360
Sbjct  3297  ............................................................  3356

Query  361   CCGGTGGATGAAGGGCGGAAGTAGAGTGTCTAATCCTGCAGTCATGGCGCAGGAAGAGGA  420
Sbjct  3357  ............................................................  3416
```

```
Query               421   AGATGTTAGAGATTACAATTTGACTGAAGAACAGAAGGCGATCAAGGCCAAGTATCCGCC  480
Sbjct               3417  ............................................................  3476

Query               481   AGTCAATAGGAAGTACGAGTATTTGGATCATACAGCAGATGTCCAGTGAGTATAGCGGGA  540
Sbjct               3477  ............................................................  3536

CDS:tRNA-splicing li  1                                          M  F  Q  S  W  L  H  A
Query               541   GTTCATTCCTTTGAAACCACGTCAGTAGGAAGACTGAATGTTTCAATCTTGGTTACACGC  600
Sbjct               3537  ............................................................  3596

CDS:tRNA-splicing li  9     W  G  D  T  L  E  E  A  F  E  Q  C  A  M  A  M  F  G  Y  M
Query               601   ATGGGGAGATACTCTGGAGGAAGCATTTGAGCAATGTGCAATGGCCATGTTTGGTTACAT  660
Sbjct               3597  ............................................................  3656

CDS:tRNA-splicing li  29    T  D  T  G  T  V  E  P  L  Q  T  V  E  V  E  T  Q  G  D  D
Query               661   GACAGATACTGGGACAGTGGAGCCCCTCCAAACAGTAGAAGTAGAAACCCAAGGAGATGA  720
Sbjct               3657  ............................................................  3716

CDS:tRNA-splicing li  49    L  Q  S  L  L  F  H  F  L  D  E  W  L  Y  K  F  S  A  D  E
Query               721   CTTACAGTCTCTTCTGTTTCACTTTTTGGATGAATGGCTTTATAAGTTCAGTGCTGATGA  780
Sbjct               3717  ............................................................  3776

CDS:tRNA-splicing li  69    F  F  I  P  R  E  V  K  V  L  S  I  D  Q  R  N  F  K  L  R
Query               781   ATTCTTCATACCCCGGGAAGTGAAAGTACTTAGCATTGATCAAAGAAATTTCAAATTACG  840
Sbjct               3777  ............................................................  3836

CDS:tRNA-splicing li  89    S  I  G  W  G  E  E  F  S  L  S  K  H  P  Q  G  T  E  V  K
Query               841   ATCAATTGGGTGGGGAGAAGAATTTTCATTGTCCAAGCACCCTCAGGGAACAGAAGTCAA  900
Sbjct               3837  ............................................................  3896

CDS:tRNA-splicing li  109   A  I  T  Y  S  A  M  Q  V  Y  N  E  E  N  P  E  V  F  V  I
Query               901   AGCAATAACATATTCAGCAATGCAGGTCTATAATGAAGAGAACCCGGAAGTTTTTGTGAT  960
Sbjct               3897  ............................................................  3956

CDS:tRNA-splicing li  129   I  D  I
Query               961   CATTGACATTTAAGACACCAAAAAATAAAAGACTCCTACGAA  1002
Sbjct               3957  ..........................................  3998
```

BLAST is a registered trademark of the National Library of Medicine

Support center Mailing list YouTube

- National Library Of Medicine
- National Institutes Of Health
- U.S. Department of Health & Human Services
- USA.gov

NCBI

National Center for Biotechnology Information, U.S. National Library of Medicine 8600 Rockville Pike, Bethesda MD, 20894 USA

Policies and Guidelines | Contact

HHS Vulnerability Disclosure

検 '26.10.01 笹沼