

RIKEN clone ID: IRAK020N09

Vector : pCMV-SPORT6

Gene	GCNT3		
Accession No.	BC017032.1	2106 bp	1..2106
	<i>GDS</i>	1317 bp	309..1625

●Plasmid DNA purification

Date : 110301 Culture : LB (100 ug/ml Ampicillin) 3 ml →37°C O/N

Date : 110302 Purification : QIAGEN Miniprep kit→dH₂O 100 ul

●Digestion by restriction enzyme / Concentration calibration

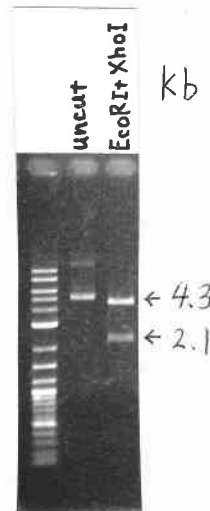
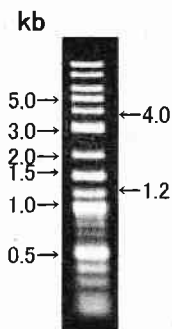
Date : 110302

DNA concentration (O.D.): 34.45 ng/ul

DNA	1 ul
Enzyme (EcoRI+XhoI)	0.5+0.5 ul
Buffer H	1 ul
dH ₂ O	7 ul
Total	10 ul

Erectrophoresis: 1% agarose gel, 1 × TAE Buffer

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



<Expected digestion pattern from BC017032.1>

2149, 4339 bp

●Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 110304 Shipped : 25 ng/ul, 40 ul

Final concentration: 25 ng/ul

DNA (<u>34.45 ng/ul</u>)	<u>72.0</u>	ul
10 × TE	<u>9.9</u>	ul
dH ₂ O	<u>17.3</u>	ul
Total	<u>99.2</u>	ul



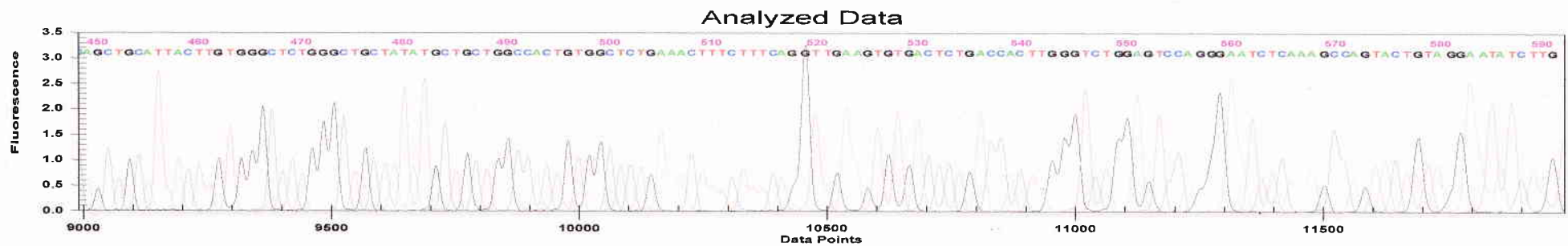
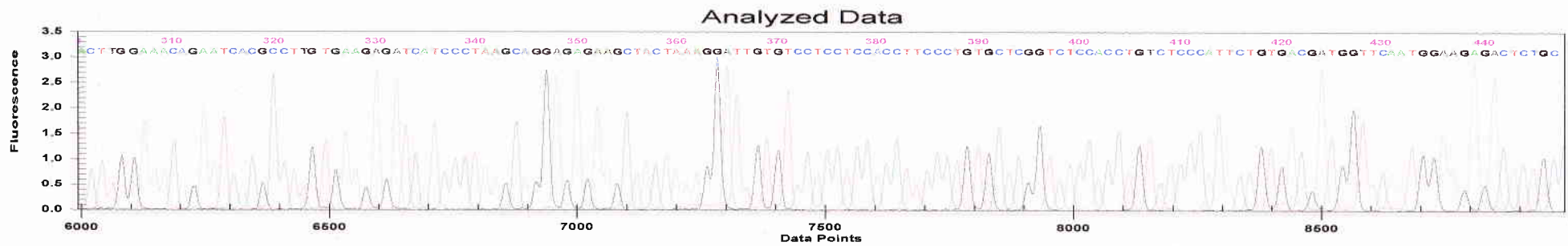
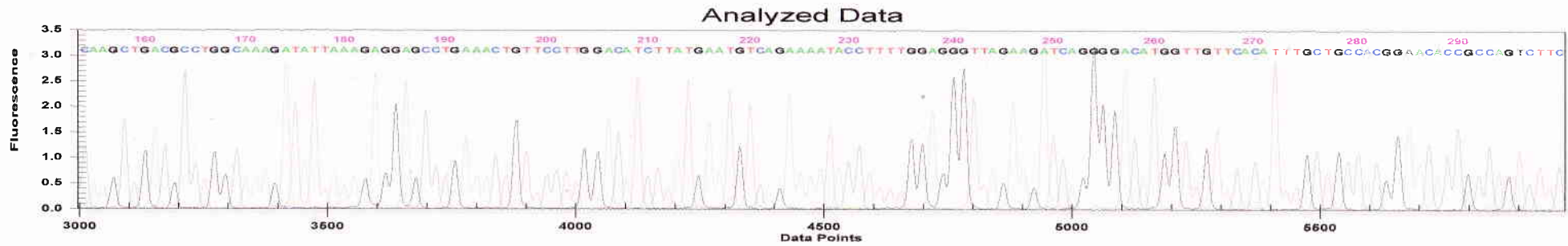
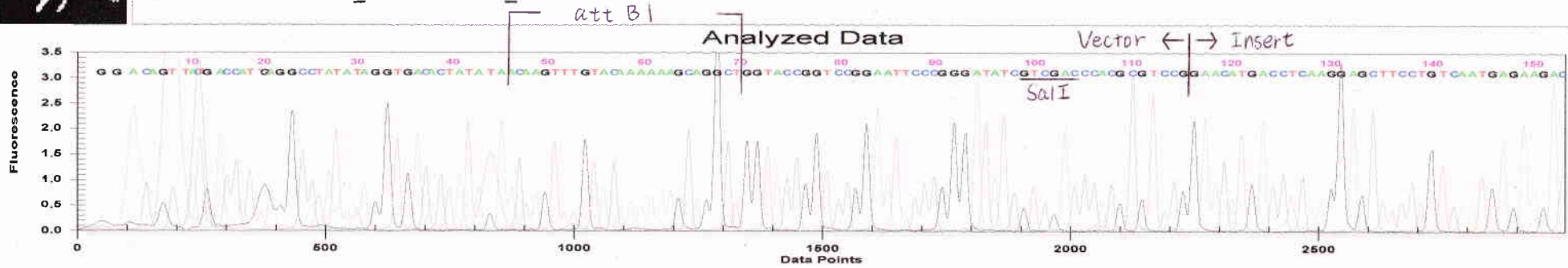
Project : GNP

Sample : IRAK020N09_Reverse2.D04_11030313B6

Result : IRAK020N09_Reverse2.D04_11030313B6

System : System 1

Operator : 1.110303.furu
Instrument : System 1 (Ver. 9.0.25)



[GENETYX : Homology Data]

Date : 2011.03.04

Query Sequence

File Name :
 Sequence Name : BC017032.1
 Sequence Size : 2106

Target Sequence

File Name : IRAK020N09_Reverse2.D04_11030313B6
 Sequence Name : IRAK020N09_Reverse2.D04_11030313B6
 Sequence Size : 705

Unit Size to Compare = 6

Pick up Location No. = 1

Query Range: 1 - 591

Sbjct Range: 115 - 703

591 bp, INT.Score: 2156, OPT.Score: 2317

Identity: 586 / 591 (99%)

Strand: Plus / Plus

Query	1	GAACATGACC	TCAAGGAGCT	TCCTGTCAAT	GAGAAGACCA	AGCTGACGCC	TGGCAAAGAT	60
Sbjct	115	GAACATGACC	TCAAGGAGCT	TCCTGTCAAT	GAGAAGACCA	AGCTGACGCC	TGGCAAAGAT	174
Query	61	ATTAAAGAGG	AGCCTGAAAC	TGTTCCCTGG	ACATCTTATG	AATGTCAGAA	AATACCTTTT	120
Sbjct	175	ATTAAAGAGG	AGCCTGAAAC	TGTTCCCTGG	ACATCTTATG	AATGTCAGAA	AATACCTTTT	234
Query	121	GGAGGGTTAG	AAGATCAGGG	GACATGGTTG	TTCACATTTG	CTGCCACGGA	ACACCGCCAG	180
Sbjct	235	GGAGGGTTAG	AAGATCAGGG	GACATGGTTG	TTCACATTTG	CTGCCACGGA	ACACCGCCAG	294
Query	181	TCTTCACTTG	GAAACAGAAT	CACGCCTTGT	GAAGAGATCA	TCCCTAAGCA	GGAGAGAAGC	240
Sbjct	295	TCTTCACTTG	GAAACAGAAT	CACGCCTTGT	GAAGAGATCA	TCCCTAAGCA	GGAGAGAAGC	354
Query	241	TACTAAAGGA	TTGTGTCCTC	CTCCACCTTC	CCTGTGCTCG	GTCTCCACCT	GTCTCCCATT	300
Sbjct	355	TACTAAAGGA	TTGTGTCCTC	CTCCACCTTC	CCTGTGCTCG	GTCTCCACCT	GTCTCCCATT	414
Query	301	CTGTGACGAT	GGTTCAATGG	AAGAGACTCT	GCCAGCTGCA	TTACTTGTGG	GCTCTGGGCT	360
Sbjct	415	CTGTGACGAT	GGTTCAATGG	AAGAGACTCT	GCCAGCTGCA	TTACTTGTGG	GCTCTGGGCT	474
Query	361	GCTATATGCT	GCTGGCCACT	GTGGCTCTGA	AACTTTCTTT	CAGGTTGAAG	TGTGACTCTG	420
Sbjct	475	GCTATATGCT	GCTGGCCACT	GTGGCTCTGA	AACTTTCTTT	CAGGTTGAAG	TGTGACTCTG	534
Query	421	ACCACTTGGG	TCTGGAGTCC	AGGGAATCTC	AAAGCCAGTA	CTGTAGGAAT	ATCTTGTATA	480
Sbjct	535	ACCACTTGGG	TCTGGAGTCC	AGGGAATCTC	AAAGCCAGTA	CTGTAGGAAT	ATCTTGTATA	594
Query	481	ATTCCTGAA	ACTTCCAGCA	AAGAGGTCTA	TCAACTGTTC	AGGGGTCACC	CGAGGGGACC	540
Sbjct	595	ATTCCTGAA	ACTTCCAGCA	AAGAGGTCTA	TCAACTGTTC	AGGGGTCACC	CGAGGGGA-C	653
Query	541	AAGAGGCAGT	GCTTCAGGCT	ATTCTGAATA	ACCTGGAGGT	CAAGAAGAAG	C 591	
Sbjct	654	AAGAGGCAGT	GC-TCAGGCT	ATTCTGAATA	CCCTGAAGGT	CAAGAAGANG	C 703	

[GENETYX : Homology Data]

Date : 2011.03.04

Query Sequence

File Name :
 Sequence Name : BC017032.1
 Sequence Size : 2106

Target Sequence

File Name : IRAK020N09_M13.E04_11030313B6
 Sequence Name : IRAK020N09_M13.E04_11030313B6 (complement)
 Sequence Size : 662

Unit Size to Compare = 6

Pick up Location No. = 1

Query Range: 1553 - 2106

Sbjct Range: 2 - 555

554 bp, INT.Score: 2216, OPT.Score: 2216

Identity: 554 / 554 (100%)

Strand: Plus / Minus

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Query  1553  GGTAGATGAT AATGCTCTTC AGTGCTTAGA AGAATACCTA CGTTATAAGG CCATCTATGG 1612
          |||
Sbjct   2     GGTAGATGAT AATGCTCTTC AGTGCTTAGA AGAATACCTA CGTTATAAGG CCATCTATGG 61

Query  1613  GACTGAACTT TGAGACACAC TATGAGAGCG TTGCTACCTG TGGGGCAAGA GCATGTACAA 1672
          |||
Sbjct   62     GACTGAACTT TGAGACACAC TATGAGAGCG TTGCTACCTG TGGGGCAAGA GCATGTACAA 121

Query  1673  ACATGCTCAG AACTTGCTGG GACAGTGTGG GTGGGAGACC AGGGCTTTGC AATTCGTGGC 1732
          |||
Sbjct  122     ACATGCTCAG AACTTGCTGG GACAGTGTGG GTGGGAGACC AGGGCTTTGC AATTCGTGGC 181

Query  1733  ATCCTTTAGG ATAAGAGGGC TGCTATTAGA TTGTGGGTAA GTAGATCTTT TGCCTTGCAA 1792
          |||
Sbjct  182     ATCCTTTAGG ATAAGAGGGC TGCTATTAGA TTGTGGGTAA GTAGATCTTT TGCCTTGCAA 241

Query  1793  ATTGCTGCCT GGGTGAATGC TGCTTGTCTC CTCACCCCTA ACCCTAGTAG TTCCTCCACT 1852
          |||
Sbjct  242     ATTGCTGCCT GGGTGAATGC TGCTTGTCTC CTCACCCCTA ACCCTAGTAG TTCCTCCACT 301

Query  1853  AACTTTCTCA CTAAGTGAGA ATGAGAACTG CTGTGATAGG GAGAGTGAAG GAGGGATATG 1912
          |||
Sbjct  302     AACTTTCTCA CTAAGTGAGA ATGAGAACTG CTGTGATAGG GAGAGTGAAG GAGGGATATG 361

Query  1913  TGGTAGAGCA CTTGATTTCA GTTGAATGCC TGCTGGTAGC TTTTCCATTC TGTGGAGCTG 1972
          |||
Sbjct  362     TGGTAGAGCA CTTGATTTCA GTTGAATGCC TGCTGGTAGC TTTTCCATTC TGTGGAGCTG 421

Query  1973  CCGTTCCTAA TAATTCAGG TTTGGTAGCG TGGAGGAGAA CTTTGATGGA AAGAGAACCT 2032
          |||
Sbjct  422     CCGTTCCTAA TAATTCAGG TTTGGTAGCG TGGAGGAGAA CTTTGATGGA AAGAGAACCT 481

Query  2033  TCCCTTCTGT ACTGTAACT TAAAAATAAA TAGCTCCTGA TTCAAAGTAA AAAAAAAAAA 2092
          |||
Sbjct  482     TCCCTTCTGT ACTGTAACT TAAAAATAAA TAGCTCCTGA TTCAAAGTAA AAAAAAAAAA 541

Query  2093  AAAAAAAAAA AAAA 2106
          |||
Sbjct  542     AAAAAAAAAA AAAA 555

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