

**RIKEN clone ID: M01C068B19**

Vector : pDONR221

Gene	RNF12		
Accession No.	BC013357.2	2305 bp	1..2305
	<i>CDS</i>	1875 bp	193..2067
	<i>CDS</i> (Delete stop codon	1872 bp	193..2064

●Plasmid DNA purification

Date : 100929 Culture : LB (25 ug/ml Kanamycin) 3 ml →37°C O/N

Date : 100930 Purification : QIAGEN Miniprep kit→dH<sub>2</sub>O 100 ul

●Digestion by restriction enzyme / Concentration calibration

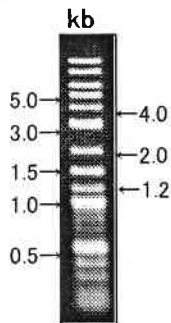
Date : 100930

DNA concentration (O.D.): 112.90 ng/ul

DNA	1 ul
Restriction enzyme (Hinc II +EcoRV)	0.5+0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	7 ul
<b>Total</b>	<b>10 ul</b>

Electrophoresis: 1% agarose gel, 1 × TAE Buffer

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



<Expected digestion pattern from BC013357.2 CDS>

2263, 602, 167, 941, 449 bp

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

Date : 10/006 Shipped : 25 ng/ul, 40 ul

Final concentration: 25 ng/ul

DNA (112.90 ng/ul)	84 ul
10 × TE	38 ul
dH <sub>2</sub> O	257 ul
<b>Total</b>	<b>379 ul</b>



Project : GNP

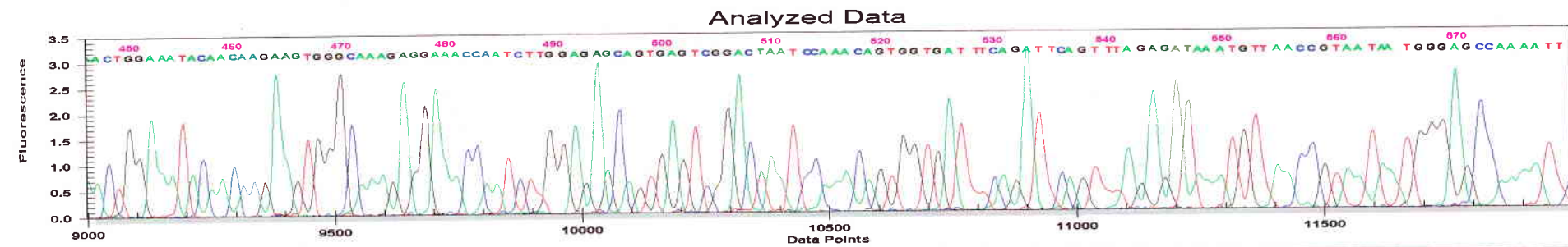
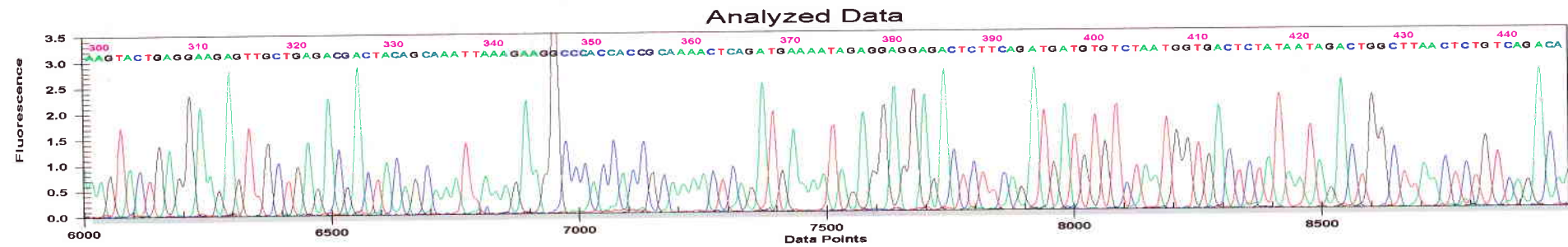
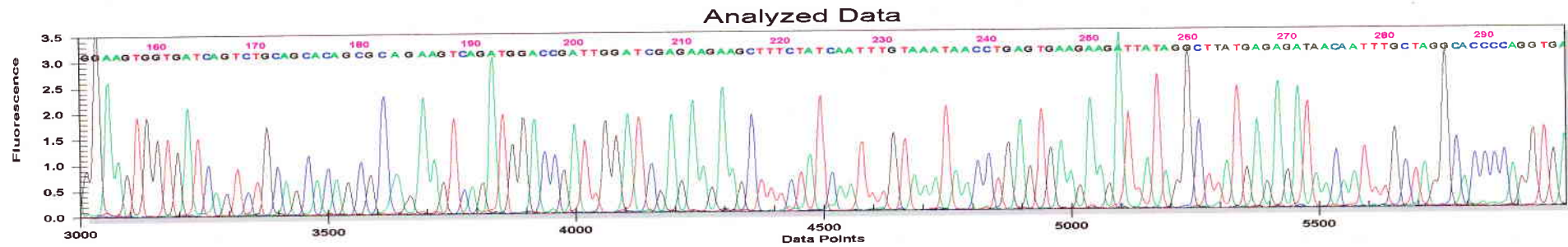
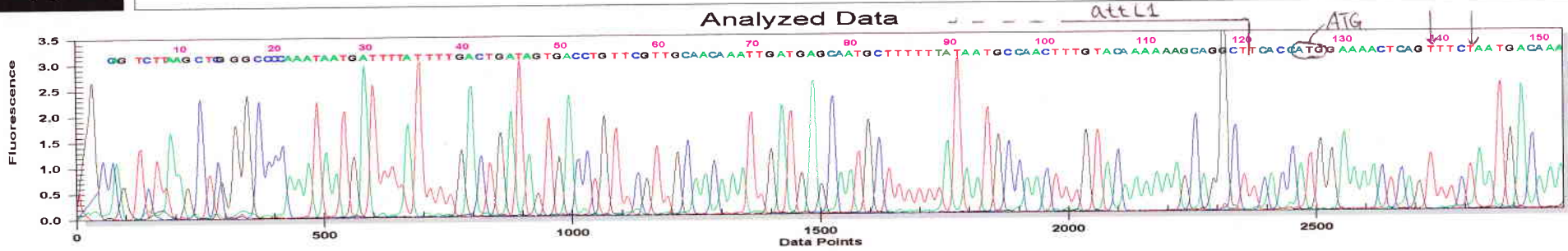
Sample : M01C068B19\_M13.G04\_101001100K

Result : M01C068B19\_M13.G04\_101001100K

System : CEQ System

Operator : 3.101001.furu

Instrument : CEQ System (Ver. 9.0.25)





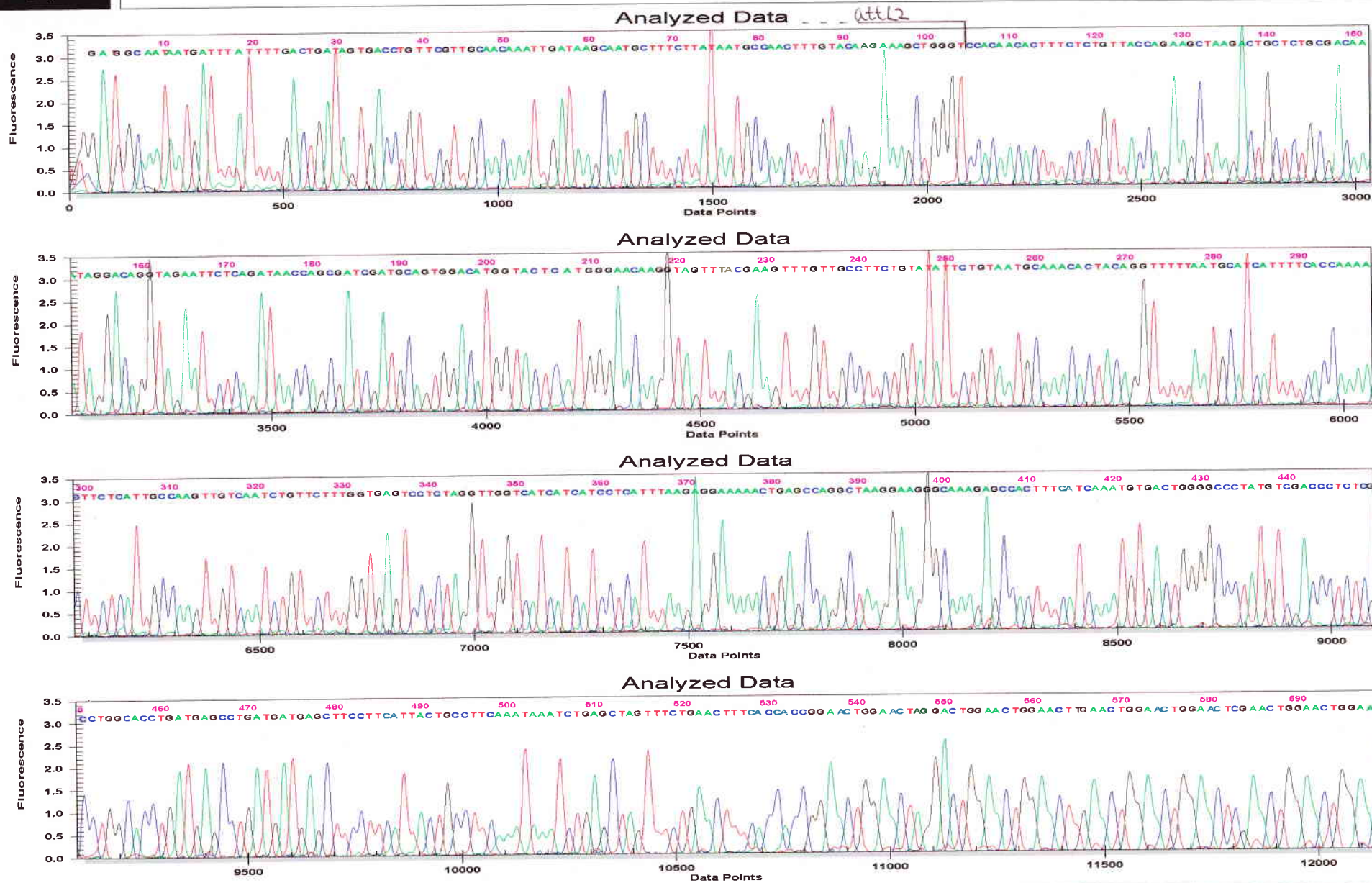
Project : GNP

Sample : M01C068B19\_T7.H04\_10100110OK

Result : M01C068B19\_T7.H04\_10100110OK

System : CEQ System

Operator : 3.101001.furu  
Instrument : CEQ System (Ver. 9.0.25)



[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.10.01

1st Nucleotide Sequence

File Name : BC013357.2.gnu  
Sequence Size : 1875

2nd Nucleotide Sequence

File Name : M01C068B19\_ML3.G04\_101001100K.fasta  
Sequence Size : 613

Unit Size to Compare = 6

Pick up Location No. = 1

[ 487 / 488 bp] INT/OPT.Score : < 1944/ 1944 >

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193'   ATGGAA AACTCAGATT CCAATGACAA AGGAAGTGGT GATCAGTCTG CAGCACAGCG
*****
121"  CACCATGGAA AACTCAGTTT CTAATGACAA AGGAAGTGGT GATCAGTCTG CAGCACAGCG

249'  CAGAAGTCAG ATGGACCGAT TGGATCGAGA AGAAGCTTTC TATCAATTTG TAAATAACCT
*****
181"  CAGAAGTCAG ATGGACCGAT TGGATCGAGA AGAAGCTTTC TATCAATTTG TAAATAACCT

309'  GAGTGAAGAA GATTATAGGC TTATGAGAGA TAACAATTTG CTAGGCACCC CAGGTGAAAG
*****
241"  GAGTGAAGAA GATTATAGGC TTATGAGAGA TAACAATTTG CTAGGCACCC CAGGTGAAAG

369'  TACTGAGGAA GAGTTGCTGA GACGACTACA GCAAATTAAG GAAGGCCAC CACCGCAAAA
*****
301"  TACTGAGGAA GAGTTGCTGA GACGACTACA GCAAATTAAG GAAGGCCAC CACCGCAAAA

429'  CTCAGATGAA AATAGAGGAG GAGACTCTTC AGATGATGTG TCTAATGGTG ACTCTATAAT
*****
361"  CTCAGATGAA AATAGAGGAG GAGACTCTTC AGATGATGTG TCTAATGGTG ACTCTATAAT

489'  AGACTGGCTT AACTCTGTCA GACAAACTGG AAATACRACA AGAAGTGGGC AAAGAGSAAA
*****
421"  AGACTGGCTT AACTCTGTCA GACAAACTGG AAATACRACA AGAAGTGGGC AAAGAGSAAA

549'  CCAATCTTGG AGAGCAGTGA GTCGGACTAA TCCAAACAGT GGTGATTTCA GATTCAGTTT
*****
481"  CCAATCTTGG AGAGCAGTGA GTCGGACTAA TCCAAACAGT GGTGATTTCA GATTCAGTTT

609'  AGAGATAAAT GTTAAACCGTA ATAATGGGAG CCAAAATTCA GAGAATGAAA ATGAGCCATC
*****
541"  AGAGATAAAT GTTAAACCGTA ATAATGGGAG CCAAAATTCA GAGAATGAAA ATGAGCCATC

669'  TGCAAGACGT TCTAGTGGAG AAAATGTGGG AAACAACAGC CAAAGGCAAG TGGAAAACCC
*****
601"  TGCAAGACGT TCT

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1st Nucleotide Sequence

File Name : BC013357.2.gnu  
Sequence Size : 1875

2nd Nucleotide Sequence

File Name : M01C068B19\_T7.H04\_101001100K.fasta (Complementary)  
Sequence Size : 732

Unit Size to Compare = 6

Pick up Location No. = 1

[ 626 / 629 bp] INT/OPT.Score : < 2454/ 2488 >

1393' GCAATTCAGA CCATGTTAAG GCAGATAATG ACAGGTTTTG GTCAGTTAAG CTATTTT-AT

1" GTAAG CTATTTTAAAT

1452' GTACAGTGTAT AGCGACTCAG AGCCTACTGG CTCAGTCTCA AATCGAAATA TGGAAAGGGC

16" GTACAGTGTAT AGCGACTCAG AGCCTACTGG CTCAGTCTCA AATCGAAATA TGGAAAGGGC

1512' AGAGTCCAGG AGTGGGAGAG GAGCTTCTGG TGGTGGTAGT AGTTCTGGTT CCAGTTCGAG

76" AGAGTCCAGG AGTGGGAGAG GAGCTTCTGG TGGTGGTAGT AGTTCTGGTT CCAGTTCGAG

1572' TTCCAGTTCC AGTTCGAGTT CCAGTTCAG TTCAAGTCC AGTTCCAGTC CTAGTTCAG

136" TTCCAGTTCC AGTTCGAGTT CCAGTTCAG TTCAAGTCC AGTTCCAGTC CTAGTTCAG

1632' TTCCGGTGGT GAAAGTTCAG AACTTAGCTC AGATTTTATTT GAAGGCAGTA ATGAAGGAAG

196" TTCCGGTGGT GAAAGTTCAG AACTTAGCTC AGATTTTATTT GAAGGCAGTA ATGAAGGAAG

1682' CTCATCATCA GGCTCATCAG GTGCCAGGCG AGAGGGTCCA CATAGGGCCC CAGTCCACAT

256" CTCATCATCA GGCTCATCAG GTGCCAGGCG AGAGGGTCCA CATAGGGCCC CAGTCCACAT

1752' TGATGAAAGT GGCTCTTTGC CCTTCCTTAG CCTGGCTCAG TTTTCCCTCT TAAATGAGGA

316" TGATGAAAGT GGCTCTTTGC CCTTCCTTAG CCTGGCTCAG TTTTCCCTCT TAAATGAGGA

1812' TGATGATGAC CAACCTAGAG GACTCACCAG AGAACAGATT GACAACTTGG CAATGAGAAG

376" TGATGATGAC CAACCTAGAG GACTCACCAG AGAACAGATT GACAACTTGG CAATGAGAAG

1872' TTTTGGTGAA AATGATGCAT TAAAAACCTG TAGTGTTTGC ATTACAGAAT ATACAGAAGG

436" TTTTGGTGAA AATGATGCAT TAAAAACCTG TAGTGTTTGC ATTACAGAAT ATACAGAAGG

1932' CAACAAACTT CGTAAACTAC CTTGTTCCTA TGAGTACCAT GTCCACTGCA TCGATCGCTG

496" CAACAAACTT CGTAAACTAC CTTGTTCCTA TGAGTACCAT GTCCACTGCA TCGATCGCTG

1992' GTTATCTGAG AATTCACCT GTCCATTTTG TCGCAGAGCA GTCTTAGCTT CTGGTAACAG

556" GTTATCTGAG AATTCACCT GTCCATTTTG TCGCAGAGCA GTCTTAGCTT CTGGTAACAG

2052' AGAAGTGTGT GTGTAA

616" AGAAGTGTGT GTGGACCCAG CTTCTTGTGA CAAAGTTGGC ATTATAAGAA AGCATTTGCTT