Genome Network Project_Full -Length cDNA clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : M01C097C10

Lot#: 8472_B2As

Vector : pDONR221

Gene	SLC16A3	
Accession ID of Origin	AK127319.1	4210 bp
	CDS	1398 bp

● Plasmid DNA purification

Date : 2022.02.01 Culture : LB (25 ug/ml Kanamycin) 5 ml -> at 37 deg C over night

Date : 2022.02.02 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2022.02.02

DNA concentration (O.D.): 167 ng/ul

DNA	0.6 ul
Enzyme (HincII + EcoRV)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.4 ul
Total	10 ul

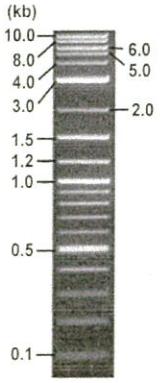
< Size of fragment expected from this clone >

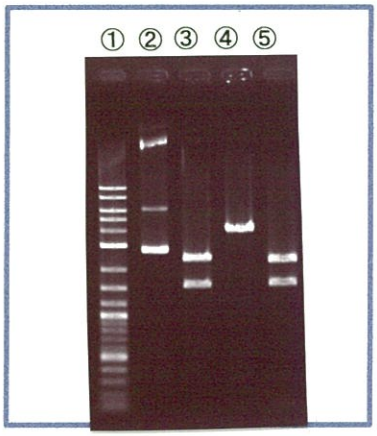
HincII	~~3.9~~ kb	2.2, 1.7kb
EcoRV	3.9 kb	
HincII + EcoRV	2.2kb (Vector)	1.7 kb

※ Additional HincII Site just at 3' Vector insert junction.

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:HincII
④:EcoRV
⑤:HincII + EcoRV

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2022.02.22

DNA (167 ng/ul)	84.0 ul
10x TE	56.1 ul
dH_2O	421.0 ul
Total	561.1 ul

● Confirmation of the insertion sequence

Date : 2022.02.18

Primer A	M13
Primer B	T7 long
Primer C	-
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

確認 22.2.18 笹沼

APPROVED BY :

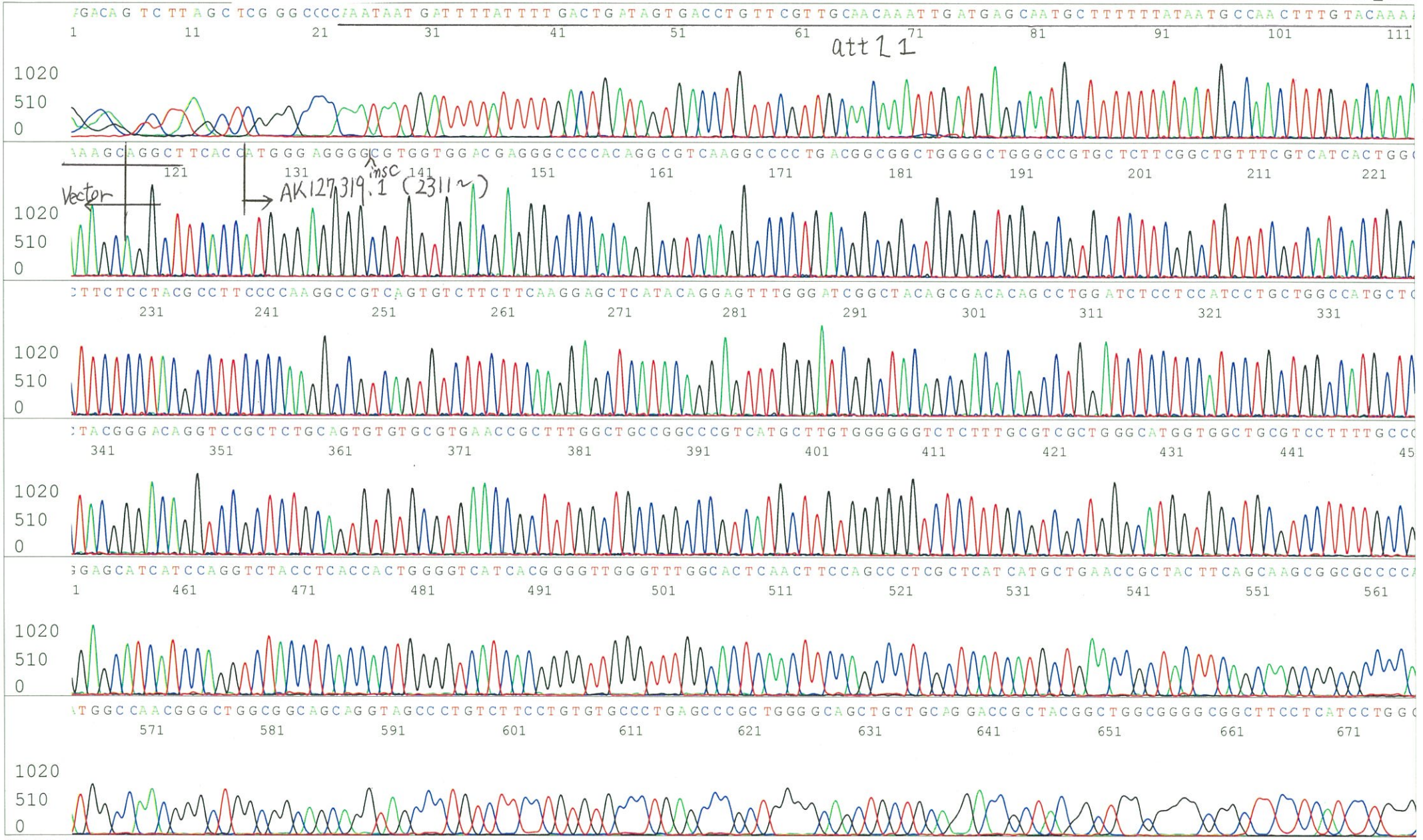
Applied Biosystems

S/N G:262 A:197 T:169 C:256
KB.bcp
KB 1.4.1.8 Cap:8

Primer A : M13
5' GTTTTCCCAGTCACGACGTTGTA 3'

8472_M01C097C10_B2As_M13(-40)_C02_08_ABI24
8472_M01C097C10_B2As_M13(-40)
KB_3500_POP7_BDTv3.mob
Pts 1699 to 8707 Pk1 Loc:1667
Version 6.0 HiSQV Bases: 684

Inst Model/Name 3500/3500 Instrument
Feb 03,2022 09:36AM, JST
Feb 03,2022 09:52AM, JST
Spacing:10.97 Pts/Panel1350
Plate Name: 20220203_GNP



Applied Biosystems

S/N G:225 A:244 T:125 C:242 Primer B : T7 long
KB.bcp
KB 1.4.1.8 Cap:11

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

8472_M01C097C10_B2As_T7long_D02_11_ABI24
8472_M01C097C10_B2As_T7long
KB_3500_POP7_BDTv3.mob
Pts 1704 to 8707 Pk1 Loc:1672
Version 6.0 HiSQV Bases: 655

Inst Model/Name 3500/3500 Instrument
Feb 03,2022 09:36AM, JST
Feb 03,2022 09:52AM, JST
Spacing:10.91 Pts/Panel1350
Plate Name: 20220203_GNP