

RIKEN Clone ID : IRAK029C13

Vector : pCMV-SPORT6

Gene	SLC7A5		
Accession No.	BC042600.1	4552 bp	1..4552
	<i>CDS</i>	1524 bp	67..1590

● Plasmid DNA purification

Date : 12/2/17

Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over nigh

Date : 12/2/18

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

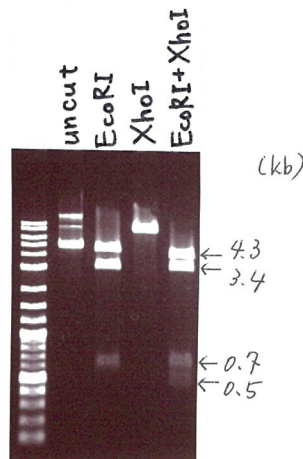
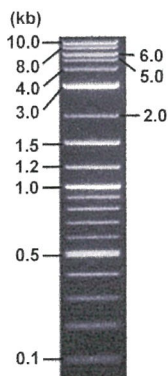
Date : 12/2/18

DNA concentration (O.D.): 194 ng/ul

DNA	0.3 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	7.7 ul
Total	10 ul

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Expected size of fragment from BC042600.1 >

4339, 3365, 701, 529 bp

● Confirmation of the insertion sequence

Date : 130/10

Primer A	Reverse2
Primer B	M13
Primer C	-
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

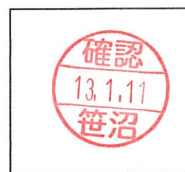
● Adjustment of DNA concentration

Shipping amount : 40 ul

Concentration at the time of preparation of plasmid DNA : 25 ng/

Date : 130/11

DNA (<u>194</u> ng/ul)	83.0 ul
10x TE	64.4 ul
dH ₂ O	496.6 ul
Total	644.0 ul



APPROVED BY :

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

