

**RIKEN Clone ID : IRAK022118**

Lot#: 7893\_B2Kg

Vector : pCMV-SPORT6

Gene	MAP3K7	
Accession No.	BC017715.2	2745 bp
	CDS	1740 bp

● Plasmid DNA purification

Date : 22.11.24

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

Date : 22.11.25

Purification : QIAGEN Miniprep kit -> dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 22.11.25

DNA concentration (O.D.): 214 ng/ul

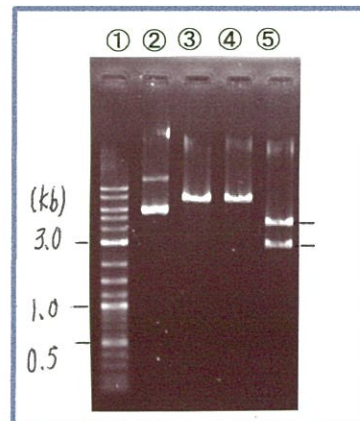
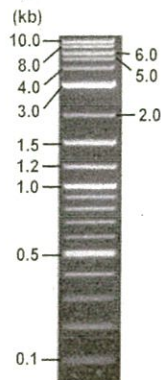
< Size of fragment expected from this clone >

DNA	0.45	ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5	ul
Buffer H	1	ul
dH <sub>2</sub> O	7.55	ul
Total	10	ul

EcoRI	7.1	kb
XhoI	7.1	kb
EcoRI + XhoI	4.3kb (Vector)	2.8 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



- ①:Marker
- ②:uncut
- ③:EcoRI
- ④:XhoI
- ⑤:EcoRI + XhoI

● Adjust plasmid DNA solution to 25 ng/ul

Date : 22.11.29

● Confirmation of the insertion sequence

Date : 22.11.25

DNA ( <u>214</u> ng/ul)	<u>86.0</u>	ul
10x TE	<u>73.6</u>	ul
dH <sub>2</sub> O	<u>576.5</u>	ul
Total	<u>736.1</u>	ul

Primer A	Reverse2
Primer B	M13
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Shipping

Conc. : 25 ng/ul, Volume : 40 ul

Conc.          ng/ul, Volume :          ul

APPROVED BY :

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





