

**RIKEN Clone ID : RBd61G05**

Vector : pGCAP10

Gene	MTOR	
RefSeq_mRNA	NM_004958.4	8721 bp

● Plasmid DNA purification

Date : 22.03.28

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

Date : 22.03.30

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

● Digestion by restriction enzyme/Concentration calibration

Date : 22.03.30

DNA concentration (O.D.): 283 ng/ul

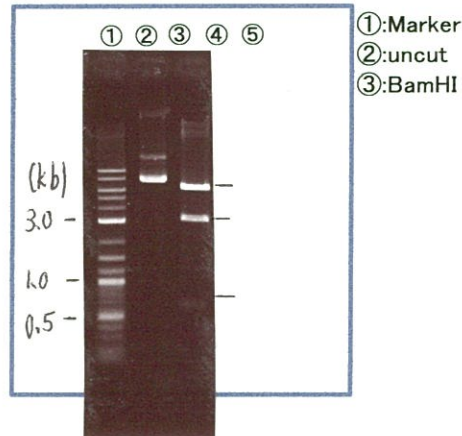
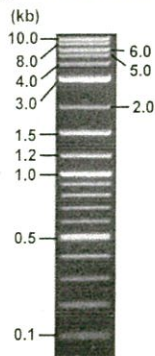
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DNA	<u>0.4</u> ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH <sub>2</sub> O	<u>7.6</u> ul
Total	10 ul

BamHI 3.1kb (vector), 4.4, 1.9, 1.1, 1.0, 0.6 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 22.06.17

Primer A	pGCAP-F
Primer B	pGCAP-R
Primer C	Poly(A) region
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/NRCDhum2en.html">http://dna.brc.riken.jp/en/NRCDhum2en.html</a>

● Adjust plasmid DNA solution to 25 ng/ul

Date : 22.06.21

DNA ( <u>283</u> ng/ul)	<u>70.0</u> ul
10x TE	<u>79.2</u> ul
dH <sub>2</sub> O	<u>643.2</u> ul
Total	<u>792.4</u> ul

● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

Conc. : — ng/μl, Volume : — μl



APPROVED BY :

S/N G:185 A:242 T:169 C:259 Primer A : pGCAP-F  
KB.bcp  
KB 1.4.1.8 Cap:1

5' CTCAGTGGATGTTGCCTTTAC 3'

Gray line indicates quality value  
(QV) < 40.

