

Product datasheet for MG200106

Pkig (NM_001039390) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pkig (NM_001039390) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Pkig

Synonyms: PKlgamma

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200106 representing NM_001039390 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GATGCGAACACCTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200106 representing NM_001039390

Red=Cloning site Green=Tags(s)

MMEVESSYSDFISCDRTGRRNAVPDIQGDSEAVSVRKLAGDMGELALEGAEGQAEGSTPDKEASSQPESS

DANTSS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



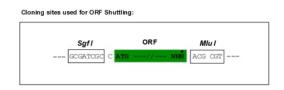
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

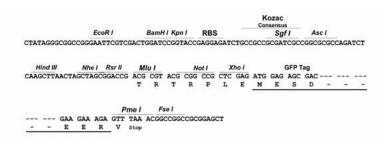
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

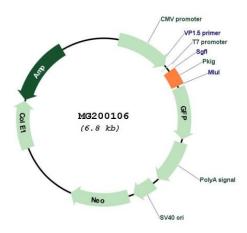


Cloning Scheme:





Plasmid Map:



ACCN: NM_001039390

ORF Size: 1136 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

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OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001039390.2</u>, <u>NP 001034479.1</u>

 RefSeq Size:
 1074 bp

 RefSeq ORF:
 231 bp

 Locus ID:
 18769

 UniProt ID:
 070139

 Cytogenetics:
 2 84.4 cM

Gene Summary: Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this

protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation

of its regulatory chains.[UniProtKB/Swiss-Prot Function]