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Product datasheet for MG216624

Pkig (NM_001164055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkig (NM_001164055) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pkig
Synonyms:	PKIgamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG216624 representing NM_001164055
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAAGTCGAGTCCTCCTACTCGGACTTCATCTCCTGCGACCGGACAGGCCGTCGGAATGCAGTCC
CTGACATCCAGGGTGACTCGGAGGCCGTGAGTGTGCGGAAGCTCGCTGGAGACATGGGCGAGCTCGCACT
TGAGGGAGCAGAAGGACAGGCAGAGGGAAGTACCCCCGACAAGGAAGCCAGCAGCCAGCCTGAGAGCAGT
GATGCGAACACCTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG216624 representing NM_001164055
Red=Cloning site Green=Tags(s)

MMEVESSYSDFISCDRTGRRNAVPDIQGDSEAVSVRKLAGDMGELALEGAEGQAEGSTPDKEASSQPESS
DANTSS

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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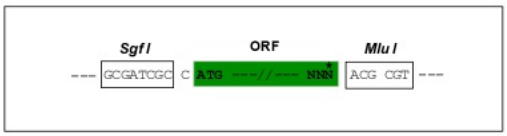
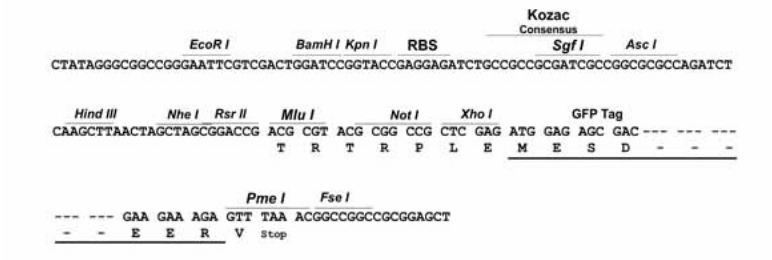
Cloning Scheme:





ACCN:	NM_001164055
ORF Size:	228 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
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:	NM_001164055.1, NP_001157527.1
RefSeq Size:	983 bp

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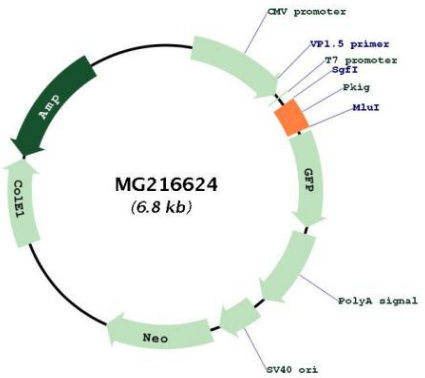
RefSeq ORF:	231 bp
Locus ID:	18769
UniProt ID:	O70139
Cytogenetics:	2 84.4 cM
Gene Summary:	Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216624

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