

Product datasheet for RG212807

PKIG (NM_181805) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

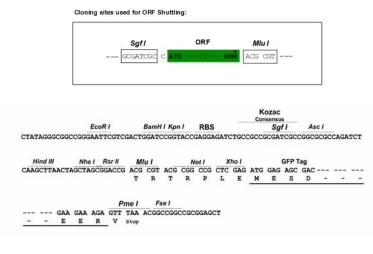
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Expression Plasmids
PKIG (NM_181805) Human Tagged ORF Clone
TurboGFP
PKIG
PKI-gamma
Neomycin
pCMV6-AC-GFP (PS100010)
Ampicillin (100 ug/mL)
<pre>>RG212807 representing NM_181805 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
ATGATGGAGGTCGAGTCCTCCTACTCGGACTTCATCTCCTGTGACCGGACAGGCCGTCGGAATGCGGTCC CTGACATCCAGGGAGACTCAGAGGCTGTGAGCGTGAGGAAGCTGGCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
>RG212807 representing NM_181805 Red=Cloning site Green=Tags(s)
MMEVESSYSDFISCDRTGRRNAVPDIQGDSEAVSVRKLAGDMGELALEGAEGQVEGSAPDKEAGNQPQSS DGTTSS
TRTRPLE - GFP Tag - V
Sgfl-Mlul

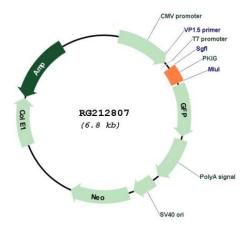


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cloning Scheme:



Plasmid Map:



ACCN:	NM_181805
ORF Size:	228 bp
OTI Disclaimer:	The molecul

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. <u>More info</u>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Gene PKIG (N	NM_181805) Human Tagged ORF Clone – RG212807
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 181805.2</u>
RefSeq Size:	1458 bp
RefSeq ORF:	231 bp
Locus ID:	11142
UniProt ID:	<u>Q9Y2B9</u>
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the protein kinase inhibitor family. Studies of a similar protein in mice suggest that this protein acts as a potent competitive cAMP-dependent protein kinase inhibitor, and is a predominant form of inhibitor in various tissues. The encoded protein may be involved in osteogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US