

Product datasheet for RG231558

PKIB (NM 001270393) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PKIB (NM_001270393) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PKIB

Synonyms: PRKACN2

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >RG231558 representing NM_001270393
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGGACAGATTCATCAAAAATGACTGACGTGGAGTCTGGGGTCGCCAATTTTGCATCTTCAGCAAGGG CAGGCCGCCGGAATGCCTTACCAGACATCCAGAGTTCAGCTGCCACAGACGGAACCTCAGATTTGCCCCT CAAACTGGAGGCTCTCTCCGTGAAGGAAGGATGCAAAAGAGAAAAGATGAAAAAACAACACAAGACCAATTG

GAAAAGCCTCAAAATGAAGAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231558 representing NM_001270393

Red=Cloning site Green=Tags(s)

 ${\tt MRTDSSKMTDVESGVANFASSARAGRRNALPDIQSSAATDGTSDLPLKLEALSVKEDAKEKDEKTTQDQL}$

EKPQNEEK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



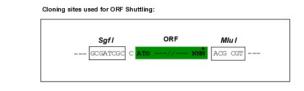
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

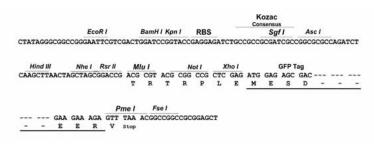
CN: techsupport@origene.cn

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

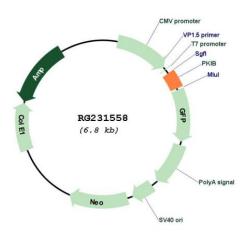


Cloning Scheme:





Plasmid Map:



ACCN: NM_001270393

ORF Size: 234 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 001270393.1</u>, <u>NP 001257322.1</u>

RefSeq Size: 2012 bp
RefSeq ORF: 237 bp
Locus ID: 5570
UniProt ID: Q9C010
Cytogenetics: 6q22.31

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the cAMP-dependent protein kinase inhibitor family. The

encoded protein may play a role in the protein kinase A (PKA) pathway by interacting with the catalytic subunit of PKA, and overexpression of this gene may play a role in prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for

this gene. [provided by RefSeq, Jul 2012]