

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 Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

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

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACAGATTCATCAAAAATGACTGACGTGGAGTCTGGGGTCGCCAATTTTGCATCTTCAGCAAGGG
CAGGCCGCCGGAATGCCTTACCAGACATCCAGAGTTCAGCTGCCACAGACGGAACCTCAGATTTGCCCT
CAAAGTGGAGGCTCTCCGTGAAGGAAGATGCAAAGAGAAAGATGAAAAACAACACAAGACCAATTG
GAAAAGCCTCAAATGAAGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231558 representing NM_001270393
Red=Cloning site Green=Tags(s)
MRTDSSKMTDVESGVANFASSARAGRRNALPDIQSSAATDGTSDLPLKLEALSVKEDAKEKDEKTTQDQL
EKPQNEEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>Q9C010</u>
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]