

Product datasheet for **RG218924**

GRK6 (NM_002082) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GRK6 (NM_002082) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GRK6
Synonyms: GPRK6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218924 representing NM_002082
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGCCGCCCTTCAAGCCTGACCCCAAGGCCATTTACTGCAAGGATGTTCTGGACATTGAACAGT
TCTCTACGGTCAAGGGCGTGGAGCTGGAGCCTACCGACCAGGACTTCTACCAGAAGTTTGCCACAGGCAG
TGTGCCCATCCCCTGGCAGAACGAGATGGTGGAGACCGAGTGCTCCAGGAGCTGAATGTCTTTGGGCTG
GATGGCTCAGTCCCCCAGACCTGGACTGGAAGGGCCAGCCACCTGCACCTCTAAAAAGGGACTGCTGC
AGAGACTTTCAGTCGCCAAGATTGCTGTGAAACTGCAGCGACAGCGAGGAAGAGCTCCCCACCCGCT
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218924 representing NM_002082
Red=Cloning site Green=Tags(s)
MLEPPFKPDPQAIYCKDVLIDIEQFSTVKGVELEPTDQDFYQKFATGSVPIPWQNMVETECFQELNVFGL
DGSVPPDLDWKGQPPAPPKGLLQRLF SRQDCCGNCSDSEEELPTRL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_002082

ORF Size: 351 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

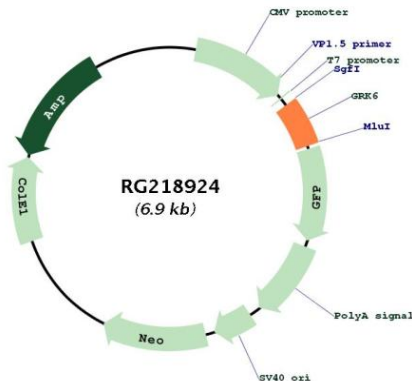
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<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:	NM_002082.2 , NP_002073.2
RefSeq Size:	2932 bp
RefSeq ORF:	1770 bp
Locus ID:	2870
UniProt ID:	P43250
Cytogenetics:	5q35.3
Domains:	RGS, pkinase, S_TK_X, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Endocytosis
Gene Summary:	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218924