

Product datasheet for **SC306132**

GRK7 (NM_139209) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRK7 (NM_139209) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRK7
Synonyms:	GPRK7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306132 representing NM_139209.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGTGGACATGGGGCCCTGGACAACCTGATCGCCAACACCCGCCTACCTGCAGGCCCGGAAGCCCTCG
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GCCCTGCCCGGGGAACCCGCAACCTTCTCAGCCAGGCCGTGGCCACCAAGTCCAAGCAGCCACC
ACTGAGGAAGAGCGAGTGGCTGCAGTGACGCTGGCCAAGGCTGAGGCCATGGCTTTCTTGAAGAGCAG
CCCTTTAAGGATTCGTGACCAGCGCTTCTACGACAAGTTTCTGCAGTGGAACTTTCGAGATGCAA
CCAGTGCAGACAAGTACTTCACTGAGTTCAGAGTGTGGGAAAGGTGGTTTTGGGGAGGTATGTGCC
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CGCCTGGAAGCTGGCCTAATTGAACCCCATTTGTGCCAGACCCTTCAAGTGGTTTATGCCAAAGACATC
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AACTTTGCGACAGGTGCTTCTATAGCATGGCAGGAAGAAATATAGAAACGGGACTGTTTGAGGAA
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TTGTAA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: SgfI-RsrII

Plasmid Map: □

ACCN: NM_139209

Insert Size: 1662 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_139209.2
RefSeq Size:	1746 bp
RefSeq ORF:	1662 bp
Locus ID:	131890
UniProt ID:	Q8WTQ7
Cytogenetics:	3q23
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Endocytosis
MW:	62.2 kDa
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. It is specifically expressed in the retina and the encoded protein has been shown to phosphorylate cone opsins and initiate their deactivation. [provided by RefSeq, Jul 2008]