

Product datasheet for **SC300593**

GRK4 (NM_001004057) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRK4 (NM_001004057) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRK4
Synonyms:	GPRK2L; GPRK4; GRK4a; IT11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001004057 edited
 CAGGGCACTGAGGAGGGAGTTGCGCGCGAGGCGAGGGCGATGGGGCCAAGAAGAACCG
 GGGCGATAGCGCGGCAGCGGTGACAGCTGGGACCCGCGCGGTGCGGGCTGCCCCCTCCCC
 TCGCCCCGACCGTCCCCTGCTGGTGAGGGCTGCGGAGGCGGCGGGCGGGCGCCCTTG
 GTGGCAGTGGTGGCGGCGAGCAGCCTCCCGGATCGTGTCCGGAGCTCGAGGAGAGGGT
 GGTGCCCGGCGAGCTATGCACGGGGCGGCGGCTCCTCCTGTTCGCTCCTCAGTC
 TCCTCGTCTCGCAGAATCCGCGGCGGCGGCGGCCAGGACATGGAGCTCGAGAACAT
 CGTGGCCAACTCGCTGCTGCTGAAAGCGCGTCAAGGAGGATATGGCAAAAAAAGTGGTGG
 TAGTAAAAAATGGAAGGAGATACTGACACTGCCTCCTGTGAGCCAGTGCAGTGAGCTTAG
 ACATTCCATTGAAAAGGATTATAGCAGTCTTTGTGACAAGCAACCGATAGGAAGACGTCT
 CTTAGGCAGTTCTGTGATACCAAACCCACTCTAAAGAGGCACATTGAATTCTTGATGC
 AGTGGCAGAATATGAAGTTGCCGATGATGAGGACCGAAGTATTGTGGACTGTCAATCTT
 AGATAGATTCTTCAATGATAAGTTGGCAGCCCCTTACCAGAAATACCTCCAGATGTTGT
 GACAGAATGTAGATTGGGACTGAAGGAGGAGAACCTTCCAAAAAAGCCTTTGAGGAATG
 TACTAGAGTTGCCATAACTACCTAAGAGGGGAACCATTTGAAGAATACCAAGAAAGCTC
 ATATTTTTCTCAGTTTTTACAATGGAAATGGCTGGAAAGCAACCCGTAACAAAGAACAC
 ATTTAGACATTACAGAGTTCTAGGAAAAGCGGATTTGGAGAGGTTTGGCCTGTCAAGT
 GCGAGCCACAGGAAAAATGTATGCCTGCAAAAAGCTACAAAAAAGAAATAAAGAAGAG
 GAAAGGTGAAGCTATGGCTCTAAATGAGAAAAGAAATTCTGGAGAAAGTGCAAAGTAGATT
 CGTAGTTAGTTTACGCTACGCTTATGAAACCAAGATGCCTTGTGCTTGGTGCTCACCAT
 TATGAATGGAGGGGATTTGAAGTTTACATTTACAACCTGGGCAATCCCGGCTTTGATGA
 GCAGAGAGCCGTTTTCTATGCTGCAGAGCTGTGTTGCGGCTTGAAGATTTACAGAGGGA
 AAGAATTGTATACAGAGACTTGAAGCCTGAGAATATTCTCCTTGATGATCGTGGACACAT
 CCGGATTTAGACCTCGGTTTGGCCACAGAGATCCAGAAAGGACAGAGGGTTTCGAGGAAG
 AGTTGGAACAGTCGGCTACATGGCACCTGAAGTTGTCAATAATGAAAAGTATACGTTTAG
 TCCCGATTGGTGGGACTTGGCTGTCTGATCTATGAAATGATTACAGGACATTCTCCATT
 CAAAAATACAAAGAGAAAGTCAAATGGGAGGAGTTCGATCAAAGAATCAAGAATGATAC
 CGAGGAGTATTCTGAGAAGTTTTAGAGGATGCCAAATCTATCTGCAGGATGTTACTCAC
 CAAGAATCCAAGCAAGCGGCTGGGCTGCAGGGCGAGGGAGCGGCTGGGGTGAAGCAGCA
 CCCCCTGTTCAAGGACATCAACTTCAGGAGGCTGGAGGCAACATGCTGGAGCCCCCTTT
 CTGTCCTGATCCTCATGCCGTTTACTGTAAGGACGTCCTGGATATCGAGCAGTTCTCGGC
 GGTGAAAGGGATCTACCTGGACACCGCAGATGAAGACTTCTATGCTCGGTTTGTACCGG
 GTGTGTCTCCATCCCCTGGCAGAATGAGGGCTGCCTGACCATGGTCCCCAGTGAGAAGGA
 AGTGAACCCAAGCAATGCTGA

Restriction Sites: Please inquire

ACCN: NM_001004057

Insert Size: 2000 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: The ORF of this clone is found to be a perfect match to NM_001004057.1.

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_001004057.1</u> , <u>NP_001004057.1</u>
RefSeq Size:	2183 bp
RefSeq ORF:	1599 bp
Locus ID:	2868
UniProt ID:	<u>P32298</u>
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Endocytosis
Gene Summary:	<p>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 its deactivation. This gene has been linked to both genetic and acquired hypertension. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (gamma) has the same N- and C-termini but is shorter compared to isoform alpha.</p>