

Product datasheet for **SC203922**

GRK1 (NM_002929) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GRK1 (NM_002929) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GRK1
Synonyms:	GPRK1; RHOK; RK
ACCN:	NM_002929
Insert Size:	2000 bp



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Insert Sequence: >SC203922 3'UTR clone of NM_002929
 The sequence shown below is from the reference sequence of NM_002929. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCAAGTCAGGGATGTGTCTGGTTTCCTAGGTGACGCCCCAGAGTCCACGTGGAGGAAAAGACCCATA
CGGCTCGATGGGGCCGCTGCCTCCGTGGTGCCAGCCTGGGGTCTGCTAGCAAGGGGACACGTGGTTC
CCTCCACCCAGGTCCCCATCACGCCATCTCCTTGCGGCCCAAGGAGGAGAAAAGCCACATCGGCCTGAG
CCGCCAGACGCACATGCTGGTGCCGTGAGCCCCGACTGCATATTTACGTCTTTTGTCCATCTCACT
GAGAAGACATAAGATGCTCTCCAGAGGGAGTAAGCCAAAATCTACAACTCTTAGGGAGCCTCTGCA
TTGGTGATTGACCAACCGTGTGGTCAGGGGCAGAGACTCGTTTTTGGCCTCCAAGACCTTAGCCATTG
GCTTCCCAGAGCCAGCTCCTCAGCGGGAGGTGCACGGTGGCCAGGTGAGGGTCACTGAACCTGGCC
GCAGCCCCGGCCCCACTGGGGAGGGCTGGACCTCGCCCCCCCCAGGTCCCTCTGTGCAGGCTCCTGAC
TTCCAGGGTGCCTGGGCCCTGTGCTGGTGGCCTGCACGCCACATGGTCCCTGCACCTGCGGGCCGCT
GGTCTCTGCACACTGGGGCACCATGGTCCCTGCACTCCGGGGTGCATGGTCCACATCTGCCAGGCG
CAGGCTCTGTTGGGCTGTTGGGAGGAGGGGAGCGGGTGTGGAGTCTGGGGTCTCAGTGCATCTTGGGG
TCTCCTTATCTCAGGGTGTCCAGCTGACGGCAGCTGGTGCAAAGTTCCCACCCCTGAGCTGGGGAGCTG
AAAATGTTTTCTGTCTTGACCCTGAGTCCCAGGAGCACCTCAGCTGCTCTTGGCGGGCAAAGCCAGGAC
CGTTTGTCTCTGACCCTCCTCCCCTGAGGCTGGTCCGTCTCATCTCCAGGGGACACTTCAGGCCA
CGGGCCTTGTGCATAGGGACAGAGCTCCTTGTGCAACCCCTCTCTGTGTTCCAGTAGCAGCAGCACT
GGAGTCTAAAGCCATAGCCCCGGAAGACACTCACAGCCACCTTCTCATACAGCTCGGCCCCACCCAC
AATGCACCTGGCATTTCCTCAACTGCACTTTGAACACTGAAGGTTCGCCAAATGCTTTGTGTGTTAACT
GCAGGAAGTTAGTTCTGTGCAACTGCCTCCAGGACACACTCCCTCTTGAGGGCCGGCGGTGCTGGCCT
GGGTTCCATGGCCTCAGCAGCCGGCTCAGAGGGAGTGCATCCAAGCCGACAGGAAGCAGTGGTGATGGG
CGGCTGAGGACTCCTTCCAGAGAGGGCTCTGAGCTCCTTTTAGGAAAGAACTCCTTTGAGCCCCG
GCCACTGTTGTACCAGTGGGAGAAGAAGCCTGACCCTGCCACATGTGGTACGGGGAGAGAAGATGGTA
GGACGTCCCCGTGAGCCTTGGGGCAGAGCTGGTGGTAGAAAGAAGCCCTGTCTACTCTAATTTGGTGA
AGGGCCCGCGCAAGTGGCTGATGATGTGACTGATGGAGACAGGGTGGCTTGGGAAGTCCCCTGAGG
GGTGTACGTCTGCAGGGAGTGAAGAGATGGATCCTCCGTAGCCTGGACTGGTGGGTCTCGGCCCTCT
CTCCAGAAATGGCAGAGACAGCTGCCTGAGAGTCAAGTGCAGTGGGCAGGGCCTATGCCCTCACAG
TCCTCAGGCTGCCAGGTGCTCCTCTTCTGTTGGGGAGAAGAGGACCCTGGCAATCCACAATTTGGAG
ATTTGCTGGCTGCAGCAAAATGGGGACCAACTCCCTCCTATGTGGTTTTAGAGCTTCTGGAGGGAAAG
ATAGGCCACGCCCTGGGTGAGGAGCACGTCTTCCACAGATCCTAAGTCGGCCACACCCTGGGTGAGG
AGCACGTCTTCCATAGGTCCCACGTGACCCACACCCTGGGTGAGGAGCACGTCTTCCATAGATCCC
ACGCGTAAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002929.3](#)

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 rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2). [provided by RefSeq, Jul 2008]

Locus ID: 6011

MW: 71.5