

Product datasheet for **MC203384**

Grk6 (NM_001038018) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grk6 (NM_001038018) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grk6
Synonyms:	Gprk6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC075719
 CCCACGCGTCCGCCACGCGTCCGGGCGCGGCCTGGCGGGCCGGGCGGCGCTGCAGCCCATGGAGCTCGA
 GAACATCGTAGCGAACACGGTGTACTCAAGGCCCGGGAAGGTGGTGGCGGGAATCGCAAAGGCAAGAGC
 AAGAAATGGCGCCAGATGCTGCAGTTCCCCCATATCAGCCAGTGTGAGGAGCTTCGACTCAGCCTTGAGC
 GTGACTACCACAGCCTATGTGAGCGCCAGCCATTGGGCGCCTGTATTTCTGTGATTTCTGTGCTACGAG
 ACCTGAGCTGACCCGGTGTACTGCCTTCTGGATGGGGTGTCTGAATATGAGGTGACCCCTGATGAGAAG
 CGGAAAGCATGTGGGCGCCGACTAATGCAGAACTTTCTGAGCCACACGGGTCCTGACCTCATCCCTGAAG
 TTCCACGCGCAGCTGGTGAGTAACGTGTGCCAGCGGCTAGAGCAGGGACCCCTGCAAAGACCTCTTCCAGGA
 GCTGACCCGCGTACCCACGAGTACCTGAGCACGGCCCTTTTGGCGACTACCTCGACAGCATCTACTTC
 AACCGTTTTCTGCAGTGGAAAGTGGCTGGAAAGGCAACCAGTGACCAAAAACACCTTCAGGCAGTACCGAG
 TCCTGGGCAAAGGTGGCTTTGGGAGGTATGTGCCTGCCAGGTGCGGGCAACAGGCAAGATGTACGCATG
 CAAGAACTGGAAAAGAAGCGGATAAAGAAGCGAAAGGGGAGGCCATGGCTCTCAACGAGAAAACAGATC
 TTGGAGAAAGTGAACAGTAGGTTTGTAGTGAGCTTAGCCTACGCCTATGAGACCAAGGATGCACTGTGCC
 TGGTGCTGACATTGATGAATGGAGGTGACCTAAGTTCCACATCTACCACATGGGCCAGGCTGGCTTTCC
 TGAAGCACGTGCTCTTCTATGTCTGAGATCTGCTGTGGCCTGGAAGACCTGCACCGGGAACGCATT
 GTGTACAGGGATCTAAAGCCAGAGAATATCCTTCTGGATGACCATGGCCACATTCGGATCTCGGACCTGG
 GACTGGCCGTGCATGTGCCTGAGGGCCAGACCATCAAAGGCCGTGTGGGCACTGTGGGCTACATGGCTCC
 AGAGGTGGTGAGGAATGAGCGCTACACGTTTCACTGCTGACTGGTGGGCGCTAGGCTGCCTCCTGTACGAG
 ATGATCGCAGGTGAGTCCGCTTCCAGCAGAGGAAGAAGAAGATAAAGCGCGAAGAGGTGGAGCGGCTGG
 TCAAGGAAGTGGCCGAGGAGTACACAGACCGCTTTTCTCACAGGCGCGCTCACTCTGTTCTCAGCTTCT
 TAGCAAGGACCTGCTGAGCGCCTGGGGTGTCTGGAGGTGGCGCCCGTGAAGTAAAGGAGCACCCCTT
 TTCAAGAACTGAATTTCAAGCGGCTGGGAGCTGGCATGCTAGAGCCACCTTTTAAAGCCTGATCCCAGG
 CTATTTATTGCAAGGATGCTCTGGACATTGAACAGTTTCTACAGTTAAAGGTGTGGATGTGGAGCCAC
 AGACCAAGACTTCTACCAGAAGTTTGCCACAGGCAAGTGTGTCCATCCCCTGGCAGAATGAGATGGTGGAG
 ACCGAGTGCTTCCAGGAACCAATGTCTTTGGGCTGGATGGGTCTGTTCCCCCAGACCTGGACTGGAAGG
 GCCAGCCCACTGCACCCCAAGAAGGGATTGCTACAGAGACTTTCAGTCGCCAAAGGATTGCTGTGGG
 AACTGCAGCGACAGTGAAGGAGCTCCCCACCCGCTTAGCCCCAGGCCGAGGCCCCCAACCGCGGT
 TGGCGGTAGCAGTACTCTCGGTGACGTTTACAGTTTGCACAGTGGTGTCCCCATTTCCACGCAAGC
 CGTGGATTGTGGAACACAGCCGGAAGTGTCCCAGTGTCTCCGTTCTCAGCCACTAGCCTAGCTGAGT
 TTGACAAGGCTGGGCCATCTTGGGACAAAGTGCCTCCCTTCACTCTGTGGAGCTCGGGGCTTTAT
 GTATTTATGTATTTGTATGAATGTATATAGCTACTAGAGCGTTCTTAATCCACCCTGGACCTGGACACT
 CCAGGGCAATTAGCCCTGGCCAGGAAAGCCAGGAGCTGGCAAGAGGAGCCAGTGCCAAAACCTCAGGCTTC
 TAGGGCCAGTGGAGATGAGCAAGCAGAGAGTGGGCCAGGTGAGACCTCTGCCACAGCACTGCACTGGC
 CACCACCAACCTCCAAGTGAAGTGTGCCTGCCTGTTGTGGACTGAGGCCACCACCTTCTGGTTGCCTA
 ATGCTTTCCCTCTTTCTCAGCATTGTGACGGTGGAGCTGGGGTCTTTGTATCCTTAGGACTGGGACA
 TAGTTTAAACCCAGACTAGCTGAGTGTGACCCATCAAACCACTGCCGAGATGGGTGCTTTCTGCCTT
 CCAGCTCCCAGAGCACAGTAGTCCTTATCTGGGTCATATCCTGAAGACACCTTTTTCAGAAATGCCCA
 GTCCAGGCCATAGGAGGAGTTAGAATTAGCCCTCCAACATCCAGAATCCCTCATAAAAGTAGACACATG
 CCCAGCAATAATCCACCCTTCCCTGTGTGTGGCTGGTGGGGGTGGGGGTGAGTGTATATCATTGTGTGAA
 AAGAGTAGGGTAAGGCTGTGCCTAAGCCCCGGACCCCTAGCCCTGGCCTGTCCAGACTGTGATGGCTGT
 CCTGATGTAGTTAGGACAGCATGGGACCATAAAGCCCTGGCTTTTCCATATTTAAAGCCAAATGTAGCT
 GCCATGTGTCTATGTGACCAATGTGAGCTGCCACGTGTCTGTGCGAATACATTCTGAGCACACGGCTG
 GCCAGCCACCAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001038018

Insert Size: 1770 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).
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:	BC075719 , AAH75719
RefSeq Size:	2924 bp
RefSeq ORF:	1770 bp
Locus ID:	26385
UniProt ID:	O70293
Cytogenetics:	13 30.06 cM
Gene Summary:	<p>Specifically phosphorylates the activated forms of G protein-coupled receptors. Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor, LRP6 during Wnt signaling (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>