

Product datasheet for **MC219064**

Grk1 (NM_011881) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grk1 (NM_011881) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grk1
Synonyms:	Gprk1; Rhok; Rk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219064 representing NM_011881
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTT**CGGGT**CCTTGGAGACCGTGGTGGCCA**ACTCTGC**TT**TCATCG**TCGCCGGGGCAGTTTTGACG
 GAAGCAGCACACCGTCTTCCCGAGACAAGAAATATCTGGCCAAGCTCCGGTTGCCCCACTGTCCAAGTG
 TGAGGGTCTCCGTGACAACCTCAGCTTGGAGTTT**GAGAGCCTGTGCTCAGAGCA**ACCCATCGGCAAGAGG
 CTCTTCCAACAGTTCTTGAAGACAGACGAGAGACATGTGCCAGCTCTGGAGCTCTGGAAGGACATTGAGG
 ACTATGACACTGTGATGATGACCTGAGGCCACAGAAGGCACAAGCCATCCTGGCTGAGTACCTGGACCC
 ACAGGGCACACTTCTGCAACTTTCTGGACCAGGGCATGGTGACAAGGGTGAAAGAAGGGCCA**ACTGGG**
 AGCCAGGACGGCCTTCCAGCCTTGTCCAGGCCACAATGGAGCACTT**GAGCCAGGCGCCCTTCCAGG**
 AGTACCTAGAAAGCTTGTATTTCTGCGGTTTCTT**CAGTGAAGTGGTTGAAGCCAGCC**CATAGTGTA
 AGACTGGTTCTTGGACTT**CAGGGT**CCTGGGAAAGGGGGCTT**CGGGGAAGTGTCTGC**CTGT**CAGATGAAG**
 GCGACTGGCAAGATGTATGCCTGCAAGAAGCTCAACAAGAAACGGCTGAAGAAGGGAAGGGCTACCAGG
 GCGCCATTGTTGAGAAGAGGATTCTGACTAAAGTACACAGCAGGTT**CATTGTGTCTCTGGC**CTATGCCTT
 CGAGACCAAGACGGACCTCTGTCTGGT**GATGACCATCATGA**ACGGAGGTGACGTGAGGTACCACATCTAC
 AATGTGGATGAGGATAACCCCGGCTTCTCAGAACCACGGGCCATCTATTACACAGCACAGATCATCAGTG
 GCCTGGAGCACCTGCATCAGAGACGCATTGTCTACCGT**GACCTCAAGCCAGAGA**ATGTGCTATTGGACAA
 TGATGGCAATATCCGAATTTCTGACCTTGGACTGGCTGTGGAGCTGAAGGAAGGGCAGAA**AAGACCAAG**
 GGCTACGCAGGGACCCAGGTTT**CATGGCCCTGAGCTCCTGCGAGGTGAAGA**ATACGACTTCTCTGTGG
 ACTACTTTGCCCTGGGGGTCACATTGTACGAGATGATCGCAGCCAGAGGACCC**TTCCGAGCCGAGGAGA**
 GAAGGTAGAGAACAAGGAGCTTAAGCAACGTATCATCTCAGAGCCTGTGAAGTACCCAGAGAAGTTCAGC
 CAGGCCAGCAAGGACTTCTGTGAGCAGCTGTTGGAGAAGGACCCGGAGAAGCGCCTGGGCTTCCGGGATG
 GAACCTGTGATGCGCTTCCGGCAAACGTCTCTTCAAAGATATCAGCTGGAGGCAGCTCGAAGCCGGGAT
 GCTCATTCCCTCCATTCAGACTCTAGGACTGTCTATGCCAAGAACATT**CAGGACGTGGGTGCCTTT**
 TCCACAGTCAAGGGTGTGGTTTTTGACAAAGCGGACACAGAGTTCTTCCAAGAATTGCCTCTGGCACT
 GCTCCATTCCCTGGCAGGAGGATGATCGAGACTGGGCTCTTTGGGGACCTAAATGTGTGGCGCGCAGA
 TGGTCAGATGCCGGATGACATGAAGGGAATCACCACGGAGGAGGCAGCCCTACAGCCAAGTCGGGAATG
 TGTCATCTCTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_011881
- Insert Size:** 1695 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:

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_011881.3](#), [NP_036011.3](#)

RefSeq Size: 7462 bp

RefSeq ORF: 1695 bp

Locus ID: 24013

Cytogenetics: 8 A1.1