

Product datasheet for **RR200339**

Grk6 (NM_001112712) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grk6 (NM_001112712) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grk6
Synonyms:	Gprk6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200339 representing NM_001112712
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCGAGAACATCGTAGCGAACACGGTGTACTCAAGGCCGGGAAGGTGGTGGCGGAATCGTA
 AAGGCAAGAGCAAGAAATGGCGCCAGATGCTGCAGTTCCTCCACATCAGCCAGTGTGAAGAGCTCCGGCT
 CAGCCTTGAACGTGACTACCACAGCCTGTGTGAGCGTCAGCCATTGGGCGCCTGTTATTTCTGAGTTC
 TGCGCTACGAGGCTGAGCTGACCCGCTGTACTGCCTTCTGGATGGGTGGCTGAGTATGAGGTGACCC
 CTGATGAGAAACGGAAGGCATGTGGCGTCGGCTAATGCAGAAATTTCTGAGCCACACGGGTCTGACCT
 CATCCCTGAAGTTCCTCCGAGCTGGTGTGAGTAACTGTGCCAGCGGTAGAGCAGGGACCCTGCAAAGAC
 CTCTCCAGGAGCTGACCCGGCTGACCCATGAGTACCTAAGCATGGCCCTTTTGCCGACTACCTCGACA
 GCATCTACTTCAACCGTTTCTGCAGTGAAGTGGCTGAAAAGGCAGCCAGTGACCAAAAACACCTTTAG
 GCAGTACCGAGTCTGGCAAAGGTGGCTTTGGGGAGGTGTGTGCCTGCCAGGTGCGGGCAACAGGCAAG
 ATGTATGCGTGCAAAAACTGAAAAGAAACGAATAAAGAAGCGGAAGGGGGAGGCCATGGCTCTCAACG
 AGAAGCAGATCCTGGAGAAAGTGAACAGTAGGTTTGTAGTGAGCTTAGCCTACGCATATGAGACCAAGGA
 TGCACTGTGCCTGGTGTGACATTGATGAATGGAGGCGACCTCAAGTTCACATCTACCACATGGGCCAG
 GCTGGCTTTCCGAAGCAGTGTCTTCTATGCTGCCGAGATCTGCTGTGGTCTGGAGGACTTACACC
 GGGAACGCATCGTGTACAGGGACCTAAAGCCAGAGAATATCCTTCTGGATGACCATGGCCACATTCGAAT
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 TCCTGTACGAGATGATTGCGGGACAGTCGCCCTCCAGCAGAGGAAGAAGAAGATCAAGCGGGAGGAGGT
 GGAGCGGCTGGTCAAGGAGGTGGCTGAGGAGTACACCGACCGCTTCTCCACAGGCACGCTCACTGTGT
 TCTCAGCTTCTCAACAAGGACCCTGCTGAGCGCCTGGGTGTCTGGAGGTGGTGCCTGAGGTAAAGG
 AGCACCCCTTTTCAAGAACTGAATTTCAAGCGGCTGGGAGCTGGAATGCTAGAACCACCTTTTAAACC
 TGACCCCCAGGCCATTTACTGCAAGGACGTGCTGGACATTGAACAGTTCTCCACAGTTAAAGGTGTGGAT
 CTGGAGCCACAGACCAAGACTTCTACCAGAAGTTTCCACGGGTAGTGTGTCCATCCCTGGCAGAACG
 AGATGGTGGAGACTGAGTGTCTCCAGGAATAATGTCTTTGGGCTGGATGGGTCTTCCCCAGACCT
 GGACTGGAAGGGCCAGCCACTGCACCCCAAGAAGGGATTGCTACAGAGACTTTCAGTAGACAAGAT
 TGCTGTGGAACTGCAGCGACAGTGAAGAAGAGCTCCCAACCCGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200339 representing NM_001112712
 Red=Cloning site Green=Tags(s)

MELENIVANTVLLKAREGGGNRKGKSKKWRQMLQFPHISQCEELRSLERDYHSLCERQPIGRLLFREF
 CATRPELTRCTAFLDGVAEYVTPDEKRRKACGRRMLQNFLSHTGPDLIPEVPRQLVSNCAQRLEQGPCKD
 LFQELTRLTHEYLSMAPFADYLDISIYFNRFQWKWLERQPVTKNTRFRQYRVLGKGGFGEVCACQVRATGK
 MYACKKLEKRIKRRKGEAMALNEKQILEKVNRFVVSLEYAYETKDALCLVLTLMNGGDLKFHIYHMGMQ
 AGFPEARAVFYAAEICCGLEDLHRERIVYRDLKPENILLDDHGHIRISDLGLAVHVPEGQTIKGRVGTVG
 YMAPEVVKNERYTFSPDWWALGCLLYEMIAGQSPFQQRKKIKREEVERLVKEVAEEYTRDFSPQARSLC
 SQLLNKDPARLGRGGGAREVKEHPLFKKLNFKRLGAGMLEPPFKPDPQAIYCKDVLIDIEQFSTVKGV
 LEPTDQDFYQKFATGSVSIQWQEMVETECFQELNVFGLDGSVPPDLDWKGQPTAPPKGLLQRLF SRQD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

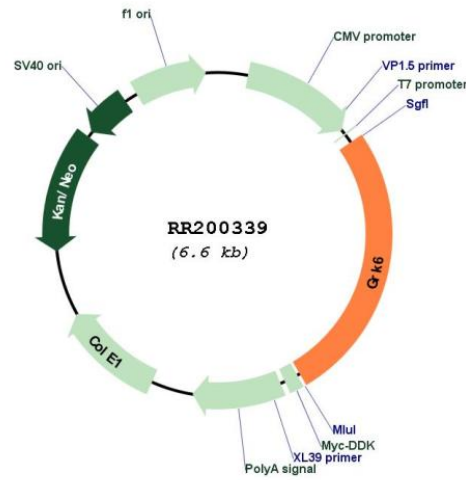
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001112712

ORF Size: 1728 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001112712.1 , NP_001106183.1
RefSeq Size:	2828 bp
RefSeq ORF:	1731 bp
Locus ID:	59076
Cytogenetics:	17p14
MW:	66 kDa
Gene Summary:	G-protein coupled receptor kinase that desensitizes beta adrenergic receptors in myometrium [RGD, Feb 2006]