

Product datasheet for **MR230578**

Grk3 (NM_001285806) Mouse Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Grk3 (NM_001285806) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Grk3 |
| Synonyms: | 4833444A01Rik; Adrbk-2; Adrbk2; AI851927; AW551196; Bark-2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>MR230578 representing NM_001285806
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACGACGCCTACATCATGAGGGAGCTCCTATCCAGCACACACCAATTCTCAAAGCAAGCTGTAGAAC
 ATGTCCAGAGCCATCTCTCCAAGAACAGGTGACGGCTACACTTTTCCAGCCATACATAGAAGAAATCTG
 TGAAGACCTTCGTGGGATATTTTCCAAAAGTTTATGAAAGCGATAAATTCAGTATCTGTCTGAGTGG
 AAGAACGTGGAGTTGAATATTCACCTGAGCATGAACGACTTCAGTGTGCACAGGATCATCGGCCGAGGAG
 GGTTTGGGAAGTTTATGGCTGCAGGAAAGCAGACACCGGTAAAAATGTATGCCATGAAGTCTTAGACAA
 GAAAAGGTGAAGATGAAGCAGGGGAGACTCTGGCTTGAACGAGAGGATCATGCTGTCTCTCGTTAGC
 ACTGGGGATTGTCCCTTATTGTCTGCATGACCTACGCCTTCCACACGCCGACAAACTGTCTTACATCC
 TGGACCTGATGAACGGGGCGCATGCACTACCATCTCTCTCAACACGGGGTGTCTTCTGAGAAGGAGAT
 GCGGTTTTATGCCAGCGAGATCATCTGGGCTCGAGCACATGCACACCTGCTTCGTAGTCTACAGAGAC
 CTGAAGCCTGCGAACATCCTCCTAGATGAATATGGGCACGTGAGGATATCGGATCTCGGCCCTTGCCTGCG
 ATTTCTCCAAAAGAAGCCTCATGCCAGCGTGGGCACCCATGGGTACATGGCTCCCGAGGTGTTGCAGAA
 GGGAACGTGCTATGACAGCAGCGCCGACTGTTTCTCCCTGGGCTGTATGCTCTTCAAGCTTCTGCGGGC
 CACAGCCCTTCAGGCAGCATAAAACCAAAGACAAGCATGAGATAGACCGAATGACCCTGACCGTGAACG
 TGCAGCTTCCAGATGCCTTCTCCCTGAGCTGAGTCCCTCTTAGAGGGTTTGTCCAGCGGGACGTGAG
 CCAGCGGCTGGCTGCGGAGGAGAGGGGACGAGAGTTGAAGGAGCACATCTTCTTCAAGGGCATTGAC
 TGGCAGCATGTACTTACGGAAGTACCGCCACCCCTAATCCCTCCTCGGGGAGAGGTCAACGCTGCAG
 ATCGCTCGATATCGGCTCCTTCGATGAGGAAGACACCAAAGGCATTAAGCTGTTGGACTGTGACCAGGA
 CCTCTATAAGAACTTCCACTGGTGATCTCCGAGCGCTGGCAGCAAGAAGTGGTGGAGACCATCTATGAC
 GCCGTCATGCTGATACTGATAAAATCGAGGCCAGGAGGAAGGCTAAAAATAAGCAACTTGGTCAAGAGG
 AAGATTACGCTATGGGAAGGACTGCATCATGCACGGGTACATGCTGAAGCTGGGGAACCCCTTTCTCAC
 ACAGTGGCAAAGACGCTATTTTTACCTGTTCCCAACAGACTGGAGTGGAGAGGAGGGCGAGTCTCGG
 CAAAGTCTACTGACCATGGAACAGATCATGTCTGTGGAGGAGACCAGATTAAGACAGAAAGTGCATCT
 TACTCAGGATAAAGGGAGGAAGCAATTTGTCTTGAATGTGAGAGTGACCCCGAGTTTGCACAGTGGCT
 GAAGGAGCTGACCTGCACCTCAATGAGGCCAGAGACTGCTGCGCCGTGCCCCAAATCTCAACAAA
 CCACGGGCGCCATCCTGGAGTTCTCAAGCCACCACTGTGTACAGAAATAGCAGCGGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230578 representing NM_001285806
 Red=Cloning site Green=Tags(s)

MYDAYIMRELLSSTHQFSKQAVEHVQSHLSKKQVTATLFPYIEEICESLRGDIQKFMESDKFTRFCQW
 KNVELNIHLSMNDFSVHRIIGRGGFGEVYGCRCADTKMYAMKCLDKKRVKMKQGETLALNERIMLSLVS
 TGDCPFIVCMTYAFHTPKLFCFLDLMNGDMHYHLSQHGVFSEKEMRFYASEIILGLEHMHTCFVYVYRD
 LKPANILLDEYGHVRIISDLGLACDFSKKKPHASVGTGTHGYMAPEVLQKGTCTYDSSADWFLGCMFLKLLRG
 HSPFRQHKTKDKHEIDRMTLTVNVQLPDAFSPELRSLLLEGLLQRDVSQRLGCGGGGARELKEHIFFKGID
 WQHVYLRKYPPPLIPPRGEVNAADAFDIGSFDEEDTKGIKLLDCDQDLKYNFPLVLSERWQEVVETIYD
 AVNADTDKIEARRKAKNKQLGQEEYAMGKDCIMHGYMLKLGPNPFLTQWQRRYFYLFPNRLEWRGEGESR
 QSLLTMEQIMSVEETQIKDRKICILLRIKGGKQFVLQCESDPEFAQWLKELTCTFNEAQRLLRRAPKFLNK
 PRAAILEFSKPPPLCHRNSGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

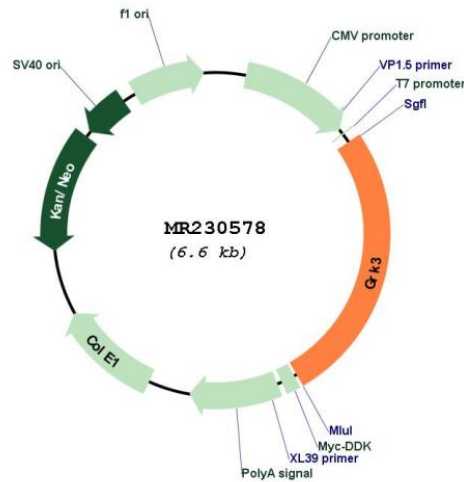
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285806
 ORF Size: 1743 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_001285806.1 , NP_001272735.1 |
| RefSeq Size: | 6617 bp |
| RefSeq ORF: | 1746 bp |
| Locus ID: | 320129 |
| UniProt ID: | Q3UYH7 |
| Cytogenetics: | 5 55.29 cM |
| MW: | 67.6 kDa |
| Gene Summary: | Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.[UniProtKB/Swiss-Prot Function] |