

## Product datasheet for **MC220547**

### **Grk3 (NM\_177078) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Grk3 (NM_177078) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grk3
Synonyms:	4833444A01Rik; Adrbk-2; Adrbk2; AI851927; AW551196; Bark-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220547 representing NM\_177078  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGACCTGGAGGCCGTGCTGGCCAGCTCAGCTACCTGATGGCCATGGAGAAGAGCAAGACGGCGC  
 CGGCCGCGCGCCAGCAAGAAGGTCGTCTGCCGGAGCCAGTATCCGGAGTGTGATGCAGAGGTATCT  
 GGCAGAGAGAAAACGAAATAACCTTTGACAAGATTTTCAATCAGAAAATCGGCTTCTACTATTTAAAGAC  
 TTCTGCTTGAATGAAATTGGGAAGCAGTGCCTCAGGTGAAATTTTATGAAGAGATAAAAGAATATGAGA  
 AGCTGGACAACGAAGAGGATAGGCTACGCCGAGCCGCCAGATGTACGACGCCTACATCATGAGGGAGCT  
 CCTATCCAGCACACCAATTCTCAAAGCAAGCTGTAGAACATGTCCAGAGCCATCTCTCCAAGAAAACAG  
 GTGACGGTACACTTTTCCAGCCATACATAAGAAGAAATCTGTGAAAGCCTTCGTGGGGATATTTTCCAAA  
 AGTTTATGGAAAGCGATAAATTCCTAGATTCTGTGAGTGAAGAAGCAGTGGAGTTGAATATTCACCTGAG  
 CATGAACGACTTCAGTGTGCACAGGATCATCGGCCGAGGAGGTTTGGGGAAGTTTATGGCTGCAGGAAA  
 GCAGACACCGGTAAAATGTATGCCATGAAAGTGTAGACAAGAAAAGGGTGAAGTGAAGCAGGGGGAGA  
 CTCTGGCTTTGAACGAGAGGATCATGCTGTCTCTCGTTAGCACTGGGGATTGTCCCTTTATTGTCTGCAT  
 GACCTACGCCCTTCCACACGCCGGACAACTCTGCTTTCATCCTGGACCTGATGAACGGGGGCGACATGCAC  
 TACCATCTCTCTCAACACGGGGTGTCTTCTGAGAAGGAGATGCGGTTTTATGCCAGCGAGATCATCTGG  
 GCCTCGAGCACATGCACACCTGCTTCGTAGTCTACAGAGACCTGAAGCCTGCGAACATCCTCCTAGATGA  
 ATATGGGCACGTGAGGATATCGGATCTCGGCCTTGCTGCGATTTCTCCAAAAGAAGCCTCATGCCAGC  
 GTGGGCACCCATGGGTACATGGCTCCCGAGGTGTGCAGAAGGGAACGTGCTATGACAGCAGCGCCGACT  
 GTTTCTCCCTGGGCTGTATGCTCTTCAAGCTTCTGCGGGGCCACAGCCCCTTCAGGCAGCATAAAAACCAA  
 AGACAAGCATGAGATAGACCGAATGACCTGACCGTGAACGTGCAGCTTCCAGATGCCTTCTCCCTGAG  
 CTGAGGTCCTCTTAGAGGGTTTGTCCAGCGGACGTGAGCCAGCGGCTGGGCTGCGGAGGAGGAGGGG  
 CACGAGAGTTGAAGGAGCACATCTTCTCAAGGCATTGACTGGCAGCATGTGTACTTACGGAAGTACCC  
 GCCACCCCTAATCCCTCCTCGGGGAGAGGTCAACGCTGCAGATGCCTTCGATATCGGCTCCTTCGATGAG  
 GAAGACACCAAAGGCATTAAGCTGTTGGACTGTGACCAGGACCTCTATAAGAACTCCCCTGGTGTCT  
 CCGAGCGCTGGCAGCAAGAAGTGGTGGAGACCATCTATGACGCCGTCAATGCTGATACTGATAAAATCGA  
 GGCCAGGAGGAAGGCTAAAATAAGCAACTTGGTCAAGAGGAAGATTACGCTATGGGGAAGGACTGCATC  
 ATGCACGGGTACATGCTGAAGCTGGGGAACCCCTTCTCACACAGTGGCAAAGACGCTATTTTTACCTGT  
 TCCCAACAGACTGGAGTGGAGAGGAGAGGGCGAGTCTCGGCAAAGTCTACTGACCATGGAACAGATCAT  
 GTCTGTGAGGAGACCCAGATTAAGACAGAAAGTGCATCTTACTCAGGATAAAGGGAGGGAAGCAATTT  
 GTCTTGCAATGTGAGAGTGACCCCGAGTTTGCACAGTGGCTGAAGGAGCTGACCTGCACCTTCAATGAGG  
 CCCAGAGACTGCTGCGCGTGCCCCAAATTCCTCAACAAACCAGGGCCGCCATCTGGAGTTCTCCAA  
 GCCACCACTGTGTACAGAAATAGCAGCGGCCT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_177078
- Insert Size:** 2067 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\\_177078.4](#), [NP\\_796052.2](#)

**RefSeq Size:** 6578 bp

**RefSeq ORF:** 2067 bp

**Locus ID:** 320129

**UniProt ID:** [Q3UYH7](#)

**Cytogenetics:** 5 55.29 cM

**Gene Summary:** Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1).