

Product datasheet for **MC222392**

Grm3 (NM_181850) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grm3 (NM_181850) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grm3
Synonyms:	0710001G23Rik; Gprc1c; mGlu3; mGluR3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC222392 representing NM_181850
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGATGTTGACAAGACTACAAGTCTTATGTTAGCTTTGTTTTCAAAGGGATTTTTAGTCTCTTTAG
 GAGATCACAACTTTATGAGGAGAGAAATTTAAAATAGAAGGAGACCTTGTTTTAGGGGGCTTATTTCTAT
 TAATGAAAAAGGCACTGGAAGTGAAGAGTGTGGACGAATCAATGAAGACAGAGGTATCCAACGCCTGGAG
 GCCATGTTGTTTGCCATTGATGAAATCAACAAAGACAATTAAGTCTCCAGGAGTGAAGCTGGGGGTTT
 ACATTTTGGATACATGTTCAAGAGACACCTATGCATTAGAGCAGTCACTGGAGTTTGTGAGAGCATCGTT
 GACTAAAGTGGATGAAGCTGAATATATGTGCTGATGGATCATATGCTATTCAAGAAAACATCCCCTA
 CTCATTGCAGGAGTCATTGGCGTTTCGTACAGCAGTGTTCATACAGGTGGCAAACCTGCTGAGGCTCT
 TCCAGATCCCTCAGATAAGCTACGCCTCCACCAGTGCCAACTCAGCGACAAATCGCGCTATGATTATT
 TGCCAGGACCGTCCCCCTGACTTCTACCAGGCCAAAGCCATGGCCGAGATCTTGCGCTACTTTAACTGG
 ACCTATGTGTCCACTGTTGCCTGGAAGGTGACTATGGGGAGACAGGGATTGAGGCTTCGAGCAGGAAG
 CAAGGCTACGCAACATCTGCATCGCCACTGCTGAAAAGGTGGGGCGCTCCAACATCCGCAAGTCTACGA
 CAGCGTATCCGTGAGCTCCTGCAGAACTAACGCGCGAGTTGTGGTCTGTTTATGCGCAGTGTGAC
 TCACGAGAGTTGATCGCTGCAGCCAGCCGCGTGAATGCTTCCCTCACCTGGGTGGCCAGCGATGGCTGGG
 GTGCACAGGAGAGCATTGCAAGGGCAGTGAGCACGTGCGCTATGGAGCCATCACCTGGAGCTGGCGTC
 CCACCTGTTTCGTAGTTGATCGCTACTTCCAGAGCCTCAACCCCTACAACAATCATCGTAACCCCTGG
 TCCGAGACTTCTGGGAGCAGAAGTTCAGTGCAGCCTCCAGAACAGAGAAACCCAGAGAGATTTGTG
 ACAAGCACCTGGCCATTGACAGCAGCAACTATGAACAAGAATCCAAGATCATGTTTGTGGTGCATGCA
 GTATGCCATGGCGCATGGCTGCACAAAATGCAACGCACCCTCTGTCCCAACACCACCAAGCTCTGTGAT
 GCAATGAAGATCCTGGATGGAAAGAAGTTGTACAAAGATTATTTGCTGAAAATCAACTTCACAGCTCCAT
 TCAACCCAAATAAAGGAGCAGACAGCATTGTGAAGTTTGACACTTACGGAGACGGGATGGGAAGATACAA
 CGTGTTCAACTTCAGCATATAGGTGGAAAGTATTCCTACTTAAAAGTTGGCCACTGGGCAGAACTTTA
 TATCTAGATGTGGACTCTATTGTTGGTCCCGAACTCAGTCCCCACTTCCAGTGCAGTGTATCCCTGTG
 CCCCCAATGAAATGAAAAACATGCAGCCAGGAGATGTTTGTGCTGGATCTGCATCCCATGTGAGCCCTA
 TGAATACCTGGTTGATGAGTTCACCTGCATGGATTGTGGCCCTGGCCAGTGGCCACTGCAGACCTATCT
 GGATGCTACAACCTTCAGAGGATTACATCAGGTGGGAAGATGCCTGGGCAATAGGCCAGTCACTATTG
 CCTGCCTGGGTTTTATGTGTACATGCATAGTCATAACTGTTTTTATCAAGCACAACAACACCCTTGGT
 CAAAGCATCAGGCCGAGAAGTCTGCTACATCTTGTATTTTGGAGTTAGCCTGTCTTATTGCATGACATTC
 TTCTTCATTGCTAAGCCATCGCCTGTCTGTGATTGCGCCGACTTGGGCTTGGGACCTCCTTTGCCA
 TCTGTTATTCAGCTCTCCTGACCAAGACAACTGCATCGCTCGCATCTTTGATGGGGTCAAGAATGGCGC
 TCAGAGGCCAAAATTCATCAGCCCCAGTTCAGGTTTTATCTGCCTGGGTTTGATACTGGTGCAAATT
 GTGATGGTGTCTGTGGCTTATCTTGGAGACTCCAGTACTAGAAGATACACCTGCCAGAGAAGCGGG
 AAACAGTCATCTAAAATGCAATGTCAAAGATTCAGCATGTTGATCTCTGACCTATGACGTGGTTCT
 GGTGATTTCTATGCAGTGTGATGCCTTCAAACAAGGAAGTGCCTGAAAACCTCAATGAAGCCAAGTTC
 ATAGGCTTACCATGTACACCACCTGCATCATCTGGTTGGCATTCTCCCTATATTTTATGTGACATCAA
 GTGACTACAGAGTGCAGACGACAACAATGTGCATCTCCGTTAGCTTGAAGTGGTTTCTGGTCTTGGGCTG
 TTTGTTTGGCCCAAGGTGCACATTGCTGTTTCCAACCCAGAGAAGATGTGGTACACACAGACTTCAC
 CTCAACAGGTTCAAGTGTGAGTGGAACTGCGACCACATATTCTCAGTCTCTGCAAGCACATATGCCCCGA
 CAGTGTGCAACGGGAAGGGAAGTCTGGACTCCACCACCTCATCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181850

Insert Size:	2640 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_181850.2 , NP_862898.1
RefSeq Size:	3536 bp
RefSeq ORF:	2640 bp
Locus ID:	108069
UniProt ID:	Q9QYS2
Cytogenetics:	5 A1
Gene Summary:	<p>G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity.</p> <p>[UniProtKB/Swiss-Prot Function]</p>