

Product datasheet for **RN201684**

Grm6 (NM_022920) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grm6 (NM_022920) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grm6
Synonyms:	mGluR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201684 representing NM_022920
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGGGAGGCTCCCGGTGCTGCTATGGCTAGCCTGGTGGTTGTCGAGGCAGGCATAGCCTGCGGTG
 CCGGCTCCGTGCGCTGGCCGGTGGCCTGACGCTGGGCGGACTATCCAGTGCACGCGCGGGAGCCGC
 AGGACGCGCTGCGGGCGCTGAAGAAAGAGCAAGGCGTGACCGGCTGGAAGCGATGCTACGCGCTG
 GACCGCTCAACGCTGACCCGGAGCTGCTGCCGGCTGCGGCTGGGCGCGCGGCTGCTCGACACCTGCT
 CGCGGGACACCTACGCTTTGGAGCAGGCTCTGAGCTTCGTGCAGGCGCTCATCCGAGGCCGCGGAGACGG
 CGACGAGGCCAGTGTGCGCTGCCCTGGGGAGTTCCTCCGCTGCGCTCCGCGCTCCAGAGCGCGTGGTG
 GCGGTGGTGGGAGCCTCGGCTAGCTCCGTGTCCATCATGGTGGCAACGCTTTCGCGCTGTTTGCATAC
 CCCAGATCAGCTATGCCTCCACAGCCCCAGAGCTCAGTACTCCACACGCTATGACTTCTCTCCGAGT
 GGTGCCTCCTGACTCCTACCAGGCCAGGCCATGGTGGACATTGTGCGGGCACTGGGATGGAATTACGTG
 TCTACATTGGCCTCTGAGGGCACTATGGCGAGAGCGGGTTGAGGCCTTGTGCGAGATTTCCCGTGAGG
 CTGGAGGTGTCTGTATTGCCAGTCAATAAAGATTCCAGGGAGCCAAAGCCGGGAGAGTTCACAAAGT
 GATCCGGAGGCTCATGGAGACACCAACGCCCGTGGCATCATCTTTGCCAATGAGGATGACATCAGG
 AGGGTCTTGAGGCAACACGCCAGGCCAACCTGACTGGCACTTCCTGTGGGTGGCTCAGACAGCTGGG
 GATCCAAGATCTCTCCATCTTGAACCTAGAGGAAGAGGCTGTGGGGGCCATCACTATCTTGCCAAAAG
 GGCTTCAATCGACGATTGACCAATACTTCATGACTCGTTCCTTGAGAACAACCGCAGAAACATCTGG
 TTTGCCGAGTTCTGGGAAGAGAATTTAACTGCAAACTAACAGCTCCGGTGGCCAGTCAGATGATTCCA
 CCCGAAATGCACAGGTGAGGAACGCATCGGCCAGGACTCCGCTATGAGCAGGAGGGGAAGGTGCAGTT
 CGTGATAGACGCTGTGTACGCCATTGCTACGCTCTGCATAGCATGCACCAAGCGCTCTGCCAGGCCAC
 ACAGGTCTGTGCCAGCCATGGAGCCTACTGATGGCCGACGCTGCTGCACTACATCCGAGCAGTCCGCT
 TCAATGGTAGTGCAGGAACCCAGTGATGTTCAATGAGAATGGAGATGCCCCGGGCGCTATGACATCTT
 CCAGTACCAGGAACCAACGGAAGCGCCAGCAGCGCGGGTACCAGGCCGTGGGCCAATGGGCAGAGGCC
 CTTAGACTGGATATGGAAGTTCTACGGTGGTCAAGCGACCCACGAAGTCCCCCTTCTCAGTGCAGCC
 TCCCTGCGGGCCCGGTGAACGGAAGATGGTGAAGGGTGCCCTGCTGTTGGCACTGTGAGGCCTG
 CGACGGGTACCGCTTCAGGTGGACGAGTTCACATGCGAGGCTGCCAGGGACATGAGGCCACCCCC
 AACCACACTGGTGGCGTCCACACCCGTGGTGCCTGACCTGGTCTCTCCATGGGCAGCTCTGCCCC
 TTCTCCTGGCTGTCTGGGCATCATGGCTACCACCACCTATAGCCACCTTCATGCGACACAATGACAC
 TCCCATAGTCCGCGCTCTGGCCGTGAGCTTAGCTACGTGCTGCTCACTGGCATCTTCTGATCTACGCC
 ATCACCTTCTCATGGTAGCCGAGCCTTGTGACGCCATCTGTGCTGCCCGCAGACTCTTGCTTGGCTTGG
 GCACCAGCTCAGTACTCAGCCTGCTACCAAGACCAACCGCATCTACCGCATCTTTGAGCAAGGGAA
 GCGCTCTGTACACCACCACCTTCATCAGCCCCACTTCGCAACTAGTCATCACCTTCGGCTCACCTCC
 CTGCAGGTGGTGGGAGTGATAGCATGGCTGGGGGCCAGCCTCCACACAGCGTGATTGACTACGAGGAGC
 AGAGGACGGTGGACCCGAGCAGGCCAGGGTGTGCTCAAGTGTGATATGTCTGATCTGTCCCTCATTGG
 TTGCCTGGGTACAGTCTCTGCTCATGGTCACGTGTACAGTGTATGCCATCAAGGCCGAGGTGTGCT
 GAGACCTTCAATGAGGCCAAGCCATCGGCTTCAACATGTACACCACCTGTATTATCTGGCTGGCTTTTG
 TTCCATCTTCTTTGGTACCGCCAGTCAGCTGAGAAGATCTACATCCAAACCACCACTAACTGTGTC
 ACTGAGCCTGAGTGCATCAGTGTCCCTCGCATGCTCTACGTGCCAAAACCTACGTATCTGTTCCAT
 CCAGAGCAGAACGTACAGAAGCGGAAGCGCAGCCTCAAGAAGACCTCCACGATGGCAGCCCCACCCAGA
 ACGAGAACGCAGAGGACGCCAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022920
Insert Size: 2616 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022920.1, NP_075209.1</u>
RefSeq Size:	4418 bp
RefSeq ORF:	2616 bp
Locus ID:	24419
UniProt ID:	<u>P35349</u>
Cytogenetics:	10q22
Gene Summary:	has adenylate cyclase inhibiting metabotropic glutamate receptor activity; may play a role in synaptic transmission between photoreceptor cells and ON-bipolar cells in the retina [RGD, Feb 2006]