

## Product datasheet for **RN205742**

### **Grm8 (NM\_022202) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Grm8 (NM_022202) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grm8
Synonyms:	Glur8; Gprc1h; mGlur; Mglur8; mGluR8b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205742 representing NM\_022202  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTATGCGAGGAAAGCGCTTAGCCTCTGCCCTTGCTTCTCTCTTACTGCAAGTTCTACTGGA  
 TCCTCACAAATGATGCAAAGAAGCTCACAGCCAAGAGTATGCCATTCCATCCGGGTGGATGGGACATCAT  
 TTTGGGGGCTTTTTCTGTTTCATGCCAAGGGAGAAAGAGGGGTGCCTTGTGGGGAGCTGAAGAAGGAA  
 AAGGGGATCCACAGACTTGAGGCCATGCTTTATGCAATCGACCAGATTAACAAAGACCCTGATCTTCTCT  
 CCAATATCACTCTGGGGTCCGGATCCTTGACACGTGTTCCAGGGACACCTACGCTTTGGAGCAGTCACT  
 GACCTTCGTGCAGGCACTGATAGAGAAAGATGCGTCTGATGTGAAGTGTGCTAATGGAGATCCGCCATA  
 TTCACCAAGCCCACAAGATTTCTGGCGTCATAGGTGCTGCAGCAAGCTCTGTGCCATCATGGTGGCTA  
 ACATTTAAGACTATTTAAGATACCTCAGATTAGCTATGCATCCACAGCCCCAGAGCTAAGTGACAACAC  
 CAGGTATGATTTCTTTCTCGGGTGGTCCCGCCTGACTCTACCAAGCCCAAGCCATGGTGGACATTGTG  
 ACGGCCCTGGGATGGAATTATGTGTCAACTGCTTCCGAGGGGAACTATGGAGAGAGTGGTGTGAGG  
 CCTTCACTCAGATCTCAAGGGAGATTGGTGGTGTTCATTGCTCAATCACAGAAAATCCCACGTGAACC  
 AAGACCTGGGGAATTTGAAAAATTATCAAACGCTGCTGGAGACACCTAACGCTCGCGCAGTGATTATG  
 TTTGCCAACGAGGATGACATCAGGAGGATATTGGAAGCAGCAAAAAATTAACCAGAGTGGGCATTTTC  
 TATGGATTGGCTCTGATAGTTGGGGATCCAAAATTCGCCCGTCTACCAGCAGGAGGAGATCGCAGAAGG  
 AGCGGTGACAATTTGCCTAAAAGAGCATCAATTGATGGGTTTGATCGATACTTTAGAAGCCGAACCTTT  
 GCTAATAATCGAAGAAATGTGTGGTTGCAGAATTTGGGAGGAGAATTTGGATGCAAAATAGGATCAC  
 ATGGGAAGGAAACAGTCACATAAAGAAATGCACAGGGCTGGAGCGAATTCACCGGATTCATCTTATGA  
 ACAAGAAGGAAAGGTTCAATTTGTTATTGATGCAGTGTATTCCATGGCTTATGCACTGCATAACATGCAC  
 AAAGAGCGCTGTCTGGATACATAGGTCTTTGCCAAGAATGGTACCATCGATGGGAAAGACTACTGG  
 GTTACATCAGGGCCGTGAATTTAATGGCAGTGTGGTACACCTGCTCACTTTTAATGAAAATGGAGATGC  
 TCCTGGACGCTACGATATCTCCAGTATCAGATAAACAACAAAAGTACAGAGTACAAAATCATCGGGCAC  
 TGGACAAATCACTTTCATCTAAAGGTGGAAGATATGCAGTGGGCTAATAGAGAGCACACGCCACCCAGCAT  
 CTGTCTGCAGCCTGCCGTGCAAGCCCGGGGAGAGGAAAGAAAACCGTGAAAGGGTCCCTTGTCTGGCA  
 CTGTGAACGTTGTGAGGGTTATAACTACCAGGTGGATGAACTGCTCTGTGAACCTTTGCCCTTTGGATCAG  
 AGACAAAACATCAACCGCACAGGCTGCCAGAGGATCCCCATCATCAAGTTGGAGTGGCATTGCCCTGGG  
 CTGTGGTACCTGTGTTTCATAGCAATATTGGGAATCATTGCTACCACCTTTGTGATTGTGACCTTTGTCCG  
 CTATAATGACACGCCATCGTGAGAGCTTCTGGGCGGGAACCTTAGTTACGTGCTCCTAACGGGGATTTTT  
 CTCTGTTACTCCATCACCTTTTTGATGATTGCCGCACCTGACACGATCATCTGCTCCTCCGACGGATCT  
 TCTTGGGACTTGGTATGTGTTTCAGCTATGCAGCACTTTTGACCAAAAACAAACCGTATCCACCGAATATT  
 CGAGCAAGGGAAGAAATCTGTACAGCACCTAAGTTTATCAGCCCAGCATCCCAACTGGTGATCACCTTC  
 AGCCTCATCTCTGTCCAGCTCCTCGAGTGTGTTGTGGTGTGCTGTTGATCCCCCACACCATCATTG  
 ACTATGGCGAACAGCGAAGCTGGATCCTGAGAACGCCAGGGGAGTGTCAAGTGTGATATTTCCGATCT  
 GTCACCTATTTGTTCCCTGGGATACAGTATCCTCCTGATGGTCACTGTACTGTTTATGCCATTAACCC  
 AGAGGGGTCCCAGAGACGTTCAATGAAGCCAAACCTATTGGCTTTACAATGTACACCACGTGCATCATT  
 GGTTAGCTTTTCATCCCCATCTTTTTTGGTACAGCCAGTCAGCAGAAAAGATGTACATCCAGACAACGAC  
 ACTTACTGTTTCCATGAGTTAAGTGTCTCAGTGTCTCTGGGAATGCTCTATATGCCAAAAGTTTATATT  
 ATAATTTTTTCATCCAGAGCAGAAATGTTCAAAAACGCAAGAGAAGCTTCAAGGCTGTGGTACAGCTGCTA  
 CCATGCAAAGCAAATGATCCAAAAGGAAATGACAGACCAAATGGCGAGGTGAAAAGTGAACCTCTGTGA  
 GAGTCTTGAAACCAACACGTCTTCTACCAAGACAACATACATCAGCTACAGTAATCATTCGATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_022202

<b>Insert Size:</b>	2727 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_022202.1</a></u> , <u><a href="#">NP_071538.1</a></u>
<b>RefSeq Size:</b>	2793 bp
<b>RefSeq ORF:</b>	2727 bp
<b>Locus ID:</b>	60590
<b>UniProt ID:</b>	<u><a href="#">P70579</a></u>
<b>Cytogenetics:</b>	4q22
<b>Gene Summary:</b>	metabotropic glutamate receptor that may be involved in synaptic transmission [RGD, Feb 2006]