

Product datasheet for **RN208773**

Grm3 (NM_001105712) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grm3 (NM_001105712) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grm3
Synonyms:	mGluR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN208773 representing NM_001105712

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAAGATGTTGACAAGACTACAAATTCTTATGTTAGCTTTGTTTCAAAGGGATTTTACTCTCTTTAG
GAGATCACAACCTTATGAGGAGGGAAATTAATAAGAAGGAGACCTGTTTTAGGAGGCTTATTTCTAT
TAATGAAAAAGGCACTGGAAGTGAAGAGTGTGGCGAATCAATGAAGACCGAGGTATCCAACGCCTGGAG
GCCATGTTGTTTGCCATCGACGAGATTAACAAAGACAATTACTTGCTCCCAGGAGTGAAGCTGGGTGTTT
ATATTTTGGATACATGTTCAAGGATACCTATGCATTAGAGCAATCACTGGAGTTTGTCAAGGCTCTTT
GACTAAAGTGGATGAAGCCGAGTATATGTGCTGATGGATCATATGCTATTCAAGAAAACATCCCACTG
CTCATTGCAGGAGTCATTGGTGGTTCATACAGCAGTGTTCATACAGGTGGCAAACCTGCTGAGGCTCT
TCCAGATCCCTCAGATAAGCTACGCCTCCACCAGCGCCAACTCAGTGACAAGTCGCGCTATGATTACTT
TGCCAGGACCGTCCCCCTGACTTCTACCAGGCCAAAGCCATGGCCGAGATCTTGCGCTTCTTCAACTGG
ACCTATGTGTCCACCGTTGCCTCTGAGGGTGACTATGGGGAGACAGGGATTGAGGCTTCGAGCAGGAAG
CACGGCTGCGTAACATCTGCATCGCCACTGCTGAAAAGGTGGGCCGCTCCAACATCCGCAAGTCTACGA
CAGCGTGATACGTGAGCTCCTGCAGAAACCAATGCGCGGGTCTGGTCTGTTTCATGCGCAGTGACGAC
TCACGAGAGCTGATCGCGGCAGCCAACCGCGTGAATGCCTCCTTCACTGGGTGGCCAGCGACGGCTGGG
GTGCTCAGGAGAGCATAGTCAAGGGCAGTGAGCATGTAGCCTATGGCGCCATCACCTTGAGCTGGCATC
TCACCCGGTTCGCCAGTTTGATCGCTACTTCCAGAGCCTCAACCCCTACAACAATCATCGTAACCCCTGG
TTCCGAGACTTCTGGGAGCAGAAGTTCAGTGCAGCCTCCAGAACAGAGAAACACAGACAGGTTTGTG
ACAAGCACCTGGCCATTGACAGCAGCAACTATGAGCAAGAATCCAAGATTATGTTTGTGGTGAATGCAGT
GTACGCCATGGCGCATGCGCTGCACAAATGCAGCGCACCTCTGTCCCAACACCACCAAGCTCTGTGAT
GCAATGAAGATCCTAGATGGAAGAAATTGTACAAGGAGTATTTGCTGAAAATCAACTTCACAGCTCCAT
TCAACCCAAATAAAGGAGCAGACAGCATTGTGAAGTTTGACACTTTTGGAGACGGGATGGGAAGATACAA
CGTGTTCAACTTGCAGCAGACAGGTGGGAAGTATTCTTACTTGAAGTTGGCCACTGGGCAGAAACCTTG
TCTCTAGATGTGGACTCTATCCATTGGTCCCGAACTCAGTCCCCACTTCCAGTGCAGTGATCCCTGTG
CCCCGAATGAAATGAAGAACATGCAGCCCGGGGATGTTTGTGCTGGATCTGTATCCCTGTGAGCCCTA
TGAATACCTGGTCGATGAGTTCACCTGTATGGATTGTGGCCCTGGCCAGTGGCCACTGCAGACCTATCT
GGATGCTACAACCTTCCAGAGGATTACATCAAATGGGAAGACGCCTGGGCAATAGGCCCGGTCAACATTG
CCTGCCTGGGCTTCTGTGTACATGCATAGTTATAACTGTTTTTCAAGCACAACAACACACCCTTGGT
CAAAGCATCAGGTCGAGAACTCTGCTACATCTTGTATTGAGGTTAGCCTGTCTTATTGCATGACATTC
TTCTTCATTGCTAAGCCATCGCCTGTCTGTGCGTTGCGCCGACTTGGGCTTGGGACCTTTTCGCCA
TCTGTTATTACGCGCTGCTGACCAAGACAACTGCATTGCTCGCATCTTCGATGGGTCAAGAACGGCGC
TCAGAGGCCGAAATTCATCAGCCCCAGTTCTCAGGTTTTTATTTGCTGGGTTTGATACTGGTGCAAATT
GTGATGGTGTCCGTGTGGCTTATCCTGGAGACTCCAGGTACTAGAAGATACACCTTCCAGAGAAGCGGG
AAACAGTCATCCTGAAATGCAATGTCAAAGATTCCAGCATGTTGATCTCTGACCTATGACGTGGTCTT
GGTGATCCTATGCACTGTGTATGCCTTCAAACGAGGAAGTGTCTGAAAACCTTCAATGAAGCCAAGTTT
ATAGGCTTCACCATGTACACCACCTGCATCATCTGGTTGGCATTCTCCCTATATTTTATGTGACATCAA
GTGACTACAGAGTGCAGACGACAACAATGTGCATCTCCGTTAGCCTGAGCGGTTTCGTGGTCTTGGGCTG
TTTGTGTTGCCCAAGGTGCACATCGTCTGTTCCAACCCAGAGAAGTGTGGTCACACACAGACTTCAC
CTCAACAGGTTACGCGTCAGCGGAAGTGAACACCTATTCTCAGTCTCTGCAAGCACATATGTCCCAA
CAGTGTGCAACGGAAGGAAGTCTGGACTCCACCACCTCATCTCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001105712

Insert Size:

2640 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_001105712.1, NP_001099182.1</u>
RefSeq Size:	3384 bp
RefSeq ORF:	2640 bp
Locus ID:	24416
UniProt ID:	<u>P31422</u>
Cytogenetics:	4q12
Gene Summary:	activation induces neuronal activity [RGD, Feb 2006]