

Product datasheet for **RN210611**

Grm4 (NM_022666) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grm4 (NM_022666) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grm4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210611 representing NM_022666
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGGGAAGGGAGGCTGGGCTGGTGGTGGGCCCGGTGCCCTCTGCCTACTCCTCAGCCTTTATG
 CCCCTGGGTGCCTTCATCCTTGGGAAAGCCCAAGGGTCACCCCCACATGAACTCTATCCGAATTGACGG
 GGACATCACACTGGGAGGCTGTTTCCCGTCCACGGCCGTGGCTCTGAGGGTAAGGCCTGCGGGGAGCTG
 AAGAAGGAGAAAGGCATCCACCGCTGGAGGCCATGCTGTTTGCCTGGACCGCATCAACAATGACCCGG
 ACCTACTGCCAACATCACGTTGGGCGCCGCATTCTGGACACCTGCTCGAGGGACACCCACGCCCTGGA
 GCAGTCACTGACCTTTGTGCGGGCGCTCATCGAGAAGGACGGCACGGAGGTCCGCTGCGGCAGCGGGGGC
 CCGCCCATCATCACAAGCCGAACGAGTGGTGGGTGTCATTGGAGCTTCGGGGAGCTCCGTCTCGATCA
 TGGTGGCCAAACATCCTCCGCCTTTCAAGATCCCTCAGATCAGCTATGCCTCCACGGCCCTGACTTGAG
 TGACAACAGCCGCTATGACTTCTTCTCCGGGTGGTGCCTCAGACACATACCAGGCCAGGCCATGGTG
 GATATTGTCGAGCCCTCAAGTGGAACTATGTGTCCACACTGGCCTCAGAGGGCAGCTACGGTGAGAGTG
 GTGTGGAGGCCTTATCCAGAAGTCCCAGAGAACGGAGGTGTGTGCATTGCCAGTCGGTGAAGATTCC
 ACGGGAACCCAAGACGGGGGAGTTGACAAGATCATCAAACGCCTACTGGAAACATCCAATGCCAGGGGT
 ATCATCATCTTTGCCAACGAGGATGACATCAGGAGGGTGTGGAGGCAGCTCGCAGGGCCAAACCAGACCG
 GCCACTCTTTTGGATGGGTTCTGATAGCTGGGGCTCCAAGAGTGCCTGTGCTGCGCCTTGAGGAGGT
 GGCCGAGGGCGCAGTCAACATCTCCCCAAGAGGATGTCTGTTGAGGGTTCGACCGATACTTCTCCAGC
 CGCAGCTGGACAACAACAGGCGCAACATCTGGTTTCCGAGTTCGGGAGGACAACCTCCATTGCAAGT
 TGAGCCGCCACGCGCTCAAGAAGGGAAGCCACATCAAGAAGTGCACCAACCGAGAGCGCATCGGGCAGGA
 CTGCGCCTATGAGCAGGAGGGGAAGGTGCAAGTTCGTGATTGACGCTGTGTACGCCATGGGCCACGCGCTG
 CACGCCATGCACCGTGACCTGTGTCCGCGCCGCTAGGACTCTGCCCTCGCATGGACCCCGTGGATGGCA
 CCCAGTGCTTAAGTACATCAGGAACGTCAACTTCTCAGGCATTGCGGGGAACCTGTAACCTTCAATGA
 GAACGGAGACGCACCGGGGCGCTACGACATCTACCAGTACCAACTGCGCAATGGCTCGGCCGAGTACAAG
 GTCATCGGCTCGTGGACAGACCCTGCACCTCAGAATAGAGCGGATGCAGTGGCCAGGGAGTGGCCAGC
 AGCTGCCGCGCTCCATCTGCAGTCTGCCCTGCCAGCCCGGGGAGCGAAAGAAGACTGTGAAGGGCATGGC
 TTGCTGCTGGCACTGCGAGCCCTGCACCGGTACCAGTACCAAGTGGACCCTACACCTGTAAGACCTGC
 CCCTACGACATGCGGCCACAGAGAACCGCAGAGCTGCCAGCCATCCCATCGTCAAGTTGGAGTGGG
 ACTCGCCGTGGGCGTGCTGCCCTCTTCTGGCCGTGGTGGGCATCGCCGCCACGCTGTTGCTGGTGGT
 CACGTTTGTGCGCTACAACGATACCCCATCGTCAAGGCCTCGGGCCGGGAGCTGAGCTACGTGCTGCTG
 GCGGGCATCTTTCTGTGCTACGCCACTACCTTCTCATGATCGCAGAGCCGGACCTGGGGACCTGTTTCGC
 TCCGCCGATCTTCTAGGGCTCGGCATGAGCATCAGTACGCGGCCCTGCTGACCAAGACCAACCCGAT
 TTACCGCATCTTTGAGCAGGGCAACCGTGGTCAAGTGCCTCGGTCAGTGCCTCGGTTTCATCAGCCCGCCTCGCAGCTG
 GCCATCACCTTCACTCATCTCCCTGCAGTGTCTGGCATCTGCGTGTGGTTCGTGGTGGACCCCTCCC
 ACTCGTGGTGGACTTCCAGGACCAACGGACACTTGACCCCGCTTTGCCAGGGGCGTCTCAAGTGGCA
 CATCTCGGACCTGTCCCTCATCTGCCTGCTGGCTACAGCATGCTGATGGTCAAGTGTACTGTGATG
 GCCATCAAGACCCGAGGGGTGCCGAGACCTTCAACGAGGCAAGCCCATCGGTTCAACCATGTACACCA
 CCTGCATTGTCTGGCTGGCTTCACTCCCATCTTTTTTGGCACCTCACAGTCAAGCCGACAAGCTGTACAT
 CCAGACAACCACACTGACGGTCTCCGTGAGTCTGAGCGCTTCAAGTGTCCCTGGGGATGCTCTACATGCC
 AAAGTCTACATCATCTTCCACCCGGAGCAGAACGTGCCCAAGCGCAAGCGCAGTCTCAAAGCCGTGG
 TCACCGCCGCCACCATGTCCAACAAGTTACACAGAAGGGCAACTTCAAGGCCAATGGGGAAAGCCAAATC
 AGAGCTGTGTGAGAACCTGGAGACCCAGCGCTGGCTACCAAACAGACCTACGTACCTACACCAACCAT
 GCCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022666

Insert Size:	2739 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:	<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_022666.1 , NP_073157.1
RefSeq Size:	4488 bp
RefSeq ORF:	2739 bp
Locus ID:	24417
UniProt ID:	P31423
Cytogenetics:	20p12
Gene Summary:	may act as a metabotropic glutamate receptor [RGD, Feb 2006]