

Product datasheet for MC223171

Grid1 (NM_008166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grid1 (NM_008166) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grid1
Synonyms:	GluD1; GluRdelta1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223171 representing NM_008166 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGCGTTGACGCTGTGGCTTCTTCCCTGGATATGCCAGTGC GTTACGGTGC GGCCGACTCCATCA
TCCACATCGGTGCCATCTTCGAGGAGAACGCAGCCAAGGACGACAGGGTGTCCAGTTGGCTGTATCAGA
CCTGAGCCTCAATGATGACATCCTGCAGAGTGAGAAGATCACCTACTCCATCAAGGTCATCGAGGCCAAT
AATCCGTTCCAGGCGGTGCAAGAAGCCTGTGACCTCATGACCCAGGGAATTTGGCCTTGGTCACATCCA
CGGGCTGTGCATCCGCCAATGCCCTGCAGTCCCTCACAGACGCCATGCACATCCCACACCTCTTTGTCCA
GCGCAACCCCGGGGGTTACCACGTA CTGCCTGCCACCTGAACCCTAGCCCTGACGGCGAGGCCATACACA
CTGGCTTCGAGACCACCTGTCCGTCTCAATGATGT CATGCTCAGGCTGGTGACAGAACTGCGCTGGCAGA
AGTTTCGTCATGTTCTATGACAGCGAGTATGATATCCGTGGGCTCCAAAGCTTCTGGATCAGGCCTCAAG
GCTGGGTCTGGATGTCTCTTTACAAAAGGTGGACAAGAACATCAGTCACGTGTTCACTAGCCTTTTACC
ACCATGAAGACCGAGGAGCTGAATCGCTACCGGGACACACTGCGCCGTGCCATTCTACTGCTCAGCCCAC
AGGGGGCGCACTCCTTTCATCAATGAGGCTGTGGAGACCAACTGGCTTCCAAGGACAGCCACTGGGTCTT
TGTGAATGAGGAAATCAGTGACCCGAGATCCTGGATCTGGTCCACAGTGCCTTGGCAGGATGACCGTG
GTCCGGCAAATCTTCCATCTGCAAAGGACAACCAAGAAATGTATGAGGAATAACCACCGCATCTCTCC
TGCTCTGTGATCCACAGGAAGGCTACCTCAAATGCTGCAGATCTCCAATCTCTACTGTATGACAGTGT
TCTGATGCTGGCCAACGCCTTCCACAGGAAGCTGGAAGACCGGAAGTGGCATAAGTATGGCAAGCCTTAAC
TGCATCCGGAAGTCTACCAAGCCATGGAATGGAGGAGATCCATGCTAGACACGATTA AAAAGGGACATA
TCACTGGCCTCACAGGGTTATGGAGTTTCGGGAAGATAGCTCAAATCCTTATGTCCAGTTTGAAATCCT
TGGCACAACCTATAGTGAGACTTTTGGCAAAGACATGCGCAAGCTGGCCACCTGGGACTCGGAGAAGGGC
TTGAATGGCAGTCTACAGGAGAGGCCCATGGGCAGCCGCTCCAAGGACTGACTCTCAAAGTGGTACTG
TCTTGGAAAGACCTTTTGTGATGGTAGCTGAGAATATCCTTGGACAACCAAGCGTTACAAGGGTTCTC
CATAGATGTGCTGGATGCACTGGCTAAGGCTCTAGGATTCAAATATGAGATATACCAGGCCCTGATGGC
AGGTATGGTCACCAGCTCCATAACACCTCTGGAATGGGATGATCGGGGAGCTCATTAGCAAGAGAGCAG



ACTTGGCCATCTCTGCTATTACCATCACCCAGAGAGAGAGAGCGTTGTGGACTTCAGCAAGCGCTACAT
 GGACTACTCAGTGGGGATCCTCATCAAGAAGCCTGAGGAGAAGATCAGCATCTTTTCCCTTTTCGCCCC
 TTTGACTTTGCGGTGTGGCCTGCATTGCCGACGCCATTCTGTGGTGGGCGTGCATATTCGTGTTGA
 ATCGGATACAGGCTGTAAGATCTCAGAGTGCCACCCAGCCACGACCCTCGGCTTCCGCCACCTGCACAG
 TGCCATTTGGATTGTCTATGGAGCCTTTGTCCAGCAAGGTGGTGAAGTCTTCGGTGAACCTGTGGCCATG
 CGCATCGTGATGGGCAGCTGGTGGCTCTCACCCCTCATTGTGTTCCTCCTACACAGCCAACCTGGCCG
 CTTTCCTCACAGTGTCTAGGATGGACAACCCCATAGGACATTTAGGACCTGTCCAAGCAACTGGAGAT
 GTCTTATGGCACTGTCCGGGACTCTGCTGTCTATGAGTACTTCAGAGCCAAGGGGACCAATCCCCTGGAG
 CAGGATAGCACTTTTGTGAGCTCTGGCGGACCATAAGCAAGAATGGAGGGGCTGACAACTGTGTGTCCA
 ATCCTTCAGAAGGTATCAGGAAGGCAAAGAAGGGGAACTACGCCTTTCTATGGGATGTGGCCGTGGTGA
 GTATGCAGCCCTGACAGATGACGACTGCTCAGTGACTGTCATCGGCAACAGCATCAGCAGCAAGGGCTAC
 GGGATTGCCCTGCAACATGGCAGCCCTACAGGGACCTTTTCTCCAGAGGATCCTGGAGCTGCAAGACA
 CAGGGGACCTGGATGTGCTCAAGCAGAAGTGGTGGCCACACAGGTGATGTGACCTCACCAGCCATTC
 CAGTACCCAGACTGAAGGCAAATCCCTAAGCTGCACAGCTTCGCTGGGGTCTTCTGCATTTTGGCCATT
 GGCTCCTTCTTGCCTGCCTCGTGGCTGCTCTAGAGTTATGGTGAACAGCAACCGGTGCCACCAGGAGA
 CCCCCAAAGAGGACAAAGAAGTGAATCTGGAGCAGGTACACCGGCGCATCAACAGCCTCATGGATGAAGA
 CATTGCTCACAAGCAAATTTCCCAGCGTCCATTGAGCTTTTGCCTTAGAGATGGGGGGCTGGCTCCA
 AGCCAAGCTTTGGAGCCACGAGGGAGTACCAGAACCCAGCTCTCAGTCAGCACCTTTCTGCCGGAGC
 AGAGCAGCCATGGCACCAGCCGGACTGTCGTCAGGGCCAGCAGCAACCTGCCACTGCCACTGAGCAG
 CTCAGCCACTATGCCCTCAATTCAGTGCAAACACAGGTGCGCCAAATGGGGGACTGTTTCGACAGAGCCCG
 GTGAAGACCCCATCCCTATGTCCTTCCAGCCCGTGCCTGGAGGGCTCCTCCAGAGGCTCTGGACACCT
 CTCATGGCACCTCCATCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_008166
- Insert Size:** 3030 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.
- RefSeq:** [NM_008166.2](#), [NP_032192.2](#)
- RefSeq Size:** 3445 bp
- RefSeq ORF:** 3030 bp

Locus ID: 14803

UniProt ID: [Q61627](#)

Cytogenetics: 14 20.84 cM

Gene Summary: Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists.[UniProtKB/Swiss-Prot Function]