

## Product datasheet for **MR219008**

### Grid1 (NM\_008166) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Grid1 (NM\_008166) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Grid1  
**Synonyms:** GluD1; GluRdelta1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219008 representing NM\_008166  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAGCGTTGACGCTGTGGCTTCTCCCTGGATATGCCAGTGC GTTACGGTGC GGCGGACTCCATCA  
 TCCACATCGGTGCCATCTTCGAGGAGAACGCAGCCAAGGACGACAGGGTGTCCAGTTGGCTGTATCAGA  
 CCTGAGCCTCAATGATGACATCCTGCAGAGTGAGAAGTACCTACTCCATCAAGGTCATCGAGGCCAAT  
 AATCCGTTCCAGGCGGTGCAAGAAGCCTGTGACCTCATGACCCAGGGAATTTGGCCTTGGTCACATCCA  
 CGGGCTGTGCATCCGCAATGCCCTGCAGTCCCTCACAGACGCCATGCACATCCCACACCTTTTGTCCA  
 GCGCAACCCCGGGGTTACCACGTA CTGCCTGCCACCTGAACCC TAGCCCTGACGGCGAGGCCTACACA  
 CTGGCTTCGAGACCACCTGTCCGTCTCAATGATGTCTCATGCTCAGGCTGGTGACAGAACTGCGCTGGCAGA  
 AGTTTCGTATGTTCTATGACAGCGAGTATGATATCCGTGGGCTCCAAAGCTTCTGGATCAGGCCTCAAG  
 GCTGGGTCTGGATGTCTCTTTACAAAAGGTGGACAAGAACATCAGTCACGTGTTCACTAGCCTTTTACC  
 ACCATGAAGACCGAGGAGCTGAATCGCTACCGGGACACTGCGCCGTGCCATTCTACTGCTCAGCCAC  
 AGGGGGCGCACTCCTTCATCAATGAGGCTGTGGAGACCACTTGGCTTCCAAGGACAGCCACTGGGTCTT  
 TGTGAATGAGGAAATCAGTGACCCCGAGATCCTGGATCTGGTCCACAGTGCCCTTGGCAGGATGACCGTG  
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 TCTTGAAGAGCCTTTTGTGATGGTAGCTGAGAATATCCTTGGACAACCAAGCGTTACAAAGGGTTCTC  
 CATAGATGTGCTGGATGCACTGGCTAAGGCTCTAGGATCAAATATGAGATATACCAGGCCCTGATGGC



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AGGTATGGTCACCAGCTCCATAACACCTCCTGGAATGGGATGATCGGGGAGCTCATTAGCAAGAGAGCAG
ACTTGGCCATCTCTGCTATTACCATCACCCAGAGAGAGAGCGTTGTGGACTTCAGCAAGCGCTACAT
GGACTACTCAGTGGGGATCCTCATCAAGAAGCCTGAGGAGAAGATCAGCATCTTTTCCCTTTTCGCCCC
TTTGACTTTGGGTGTGGGCTGCATTGCCGACGCCATTCTGTGGTGGGCGTGCATATTCGTGTTGA
ATCGGATACAGGCTGAAGATCTCAGAGTGCCACCCAGCCAGACCCTCGGCTTCTGCCACCCTGCACAG
TGCCATTTGGATTGTCTATGGAGCCTTTGTCCAGCAAGGTGGTGAAGTCTTCGGTGAACCTGTGGCCATG
CGCATCGTGATGGGACGCTGGTGGCTTTCACCCTCATTGTGTGTTCTCCTACACAGCCAACTGGCCG
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AGAGCAGCCATGGCACCAGCCGGACACTGTCGTAGGGCCAGCAGCAACCTGCCACTGCCACTGAGCAG
CTCAGCCACTATGCCCTCAATTCAGTGCAAACACAGGTCGCCAATGGGGGACTGTTTCGACAGAGCCCG
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CTCATGGCACCTCCATC
    
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219008 representing NM\_008166  
Red=Cloning site Green=Tags(s)

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MEALTLWLLPWICQCVTVRADSIIHIGAI FEENA KDDR VFQLAVSDL SLNDDILQSEKITYSIKVIEAN
NPFQAVQ EACDLM TQGILALVTSTGCASANALQSLTDAMH IPHLFVQRNPGGSPRTACHLNPSPDGEAYT
LASRPPVRLNDVMLRLVTEL RWQKFVMFYDSEYDIRGLQSFLDQASRLGLDVSLQKVDKNI SHVFTSLFT
TMKTEELNRYRDLRRAILL LSPQGAHSF INEAVETNLASKDSHWVFN E EISDPEILD LVHSALGRMTV
VRQIFPSAKDNQKCMRNNHR ISSLLCDPQEGYLQMLQISNL YLYDSVLMANAFHRKLEDRKWHSMASLN
CIRKSTKPWNGGRSMLDIKKGHITGLTGVM EFREDSSNPYVQFEILGTTYSETFGKDMRKLATW DSEKG
LNGSLQERPMGSRLQGLTLKVVTVLEEFVMAENILGQPKRYKGF SIDVLDALAKALGFKYEIYQAPDG
RYGHQLHNTSWNGMIGELISKRADLAISAITITPERESVVD FSKRYMDYSVGILIKKPEEKISIFSLFAP
FDFAVWACIAAAIPVVGVLIFVLNRIQAVRSQSATQPRPSASATLHSAIWI VYGAFVQGGESSVNSVAM
RIVMGSWWLFTLIVCSSY TANLAAFLTVSRMDNPIRTFQDL SKQLEMSYGTVRDSAVYEFRAKGTNPLE
QDSTFAELWRTISKNGGADNCVSNPSEGIRKAKKGN YAF LWDVAVVEYAAL TDDDCSVTVIGNSISSKGY
GIALQHGSPPYRDLFSQRILELQDTGDLV LKQKWWPHTGRCDL TSHSSTQTEGKSLKLHSFAGVFCILAI
GLLLACLVAALELW WNSNRCHQETPKEDKEVNLEQVHRRINSLMDEDIAHKQISPASIELSALEMGLLAP
SQALEPTREYQNTQLSVSTFLPEQSSHGTSRTLSSGPSSNLPLPLSSSATMPSIQCKHRSPNGGLFRQSP
VKTPIPMSFQPVPGGVLPEALDTSHGTSI
    
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9002\\_e07.zip](https://cdn.origene.com/chromatograms/mm9002_e07.zip)

**Restriction Sites:**

Sgfl-Mlul



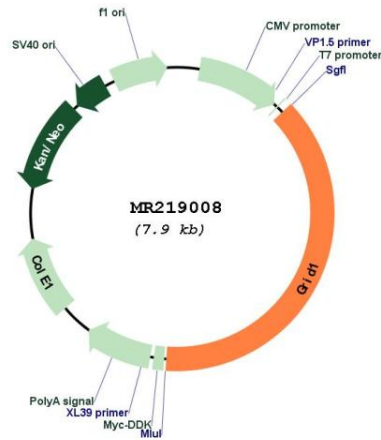
UniProt ID: [Q61627](#)

Cytogenetics: 14 20.84 cM

MW: 112.7 kDa

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]

**Product images:**



Circular map for MR219008