

Product datasheet for **MC222577**

Grik3 (NM_001081097) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grik3 (NM_001081097) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grik3
Synonyms:	9630027E11; Glu; GluK3; Glur; Glur-7; Glur7; GluR7-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222577 representing NM_001081097

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

 ATGACCGCTCCCTGGCGGCGCTCCGGAGTCTGGTTTGGGAATACTGGGCGGGTTCCTAGTGTGCGCT
 TCTGGATCCCAGACTCGCGGGGATGCCACGTCATCCGGATCGGAGGAATCTTTGAGTATGCGGATGG
 TCCCAACGCCAGGTCATGAACGCTGAAGAGCACGCTTTTCGATTTTCTGCCAACATCATCAACAGAAAC
 AGGACTCTGCTGCCAACACGACCTGACTTACGACATTCAGAGGATTCCTTCCATGACAGTTTTGAGG
 CCACCAAGAAGGCTGTGACCAGTTGGCACTGGGTGTTGTAGCCATCTTTGGCCATCGCAGGGCTCCTG
 CACCAATGCTGTCCAGTCCATTTGCAACGCTTGGAGGTTCCCCACATCCAAGTGCCTGGAAGCACCAC
 CCACTGGACAACAAGGACACCTTCTACGTGAACCTTACCCTGACTATGCCTCTCTCAGCCACGCCATCC
 TCGACTTGGTCCAGTCCCTCAAGTGGCGATCAGCCACCGTGGTCTATGATGACAGTACAGGTCTCATCCG
 TCTGCAGGAACATCATGGCCCTTCGAGGTACAACATTCGCCTGAAGATTCGCCAGCTCCCGATTGAC
 TCGGATGACTCCCGCCCTTGTCAAAGAGATGAAGCGGGCAGGGAGTTCGGATCATCTTCGACTGCA
 GCCACACCATGGCAGCCAGATCCTCAAGCAGGCCATGGCCATGGGCATGATGACGGAATACTACCACT
 CATCTTACCACCTCTGGATCTCTACGACTAGACCTGGAGCCCTACCGCTACTCGGGAGTGAACCTGACT
 GGGTTCGCATACTCAACGTGGACAATCCCATGTCTCAGCCATTGTGGAGAAGTGGCCATGGAGCGAC
 TGCAGGCAGTCCCGGGCAGAGTCAGGCTGTGGATGGTGTGATGATGACGGATGCTGCCCTGCTCTA
 TGACGCGGTCCACATTGTGTCTGTGTCTACCAGCGAGCGCCACAGATGACCGTGAATCCCTGCAGTGC
 CATCGGCACAAGGCTGGCGCTTGGTGGCCGCTTCATGAACTTCATCAAGGAGGCTCAATGGGAAGGAT
 TAACTGGACGGATTGTGTTCAACAAAACAGTGGCTTGGGACTGATTTTGATCTGGACATCATGACGCT
 GAAGGAAGATGGCTCGAGAAGGTTGGAGTATGGAGTCCAGCTGACGGTCTCAATACACTGAGGTTGCC
 AAAGGCCGAGGTCTAATGTCACTGACTCTCTGACCAATAGGTCACTCATCGTACCACCTGTGCTGGAGG
 AGCCTTTTGTGATGTTCCGCAAGTCTGATAGGACCTTTATGGCAATGACCGGTTTGGAGGCTACTGCAT
 CGACTTGTCAAGGAGTGGCACACATCCTGGCTTCTCCTACGAGATCCGGCTGGTGAAGACGGCAAG
 TACGGGGCCAGGATGACAAAGGCCAGTGAACGGCATGGTCAAGGAACTATTGACCACAAAGCAGATC
 TGGCTGTGGCTCCCTGACCATACCCATGTCCGAGAGAAGGCCATTGACTTCTTAAACCTTTTATGAC
 CCTTGGAGTGAGCATCTTATACCGCAAGCCCAATGGCACCAACCCAGTGTCTTCTCCTCTCAACCCC
 CTGTCCCGGACATCTGGATGTACGTGCTCCTTGCTACCTGGGTGTGAGCTGTGCTCTTCTCGTATCG
 CCAGATTACGCCCTTACGAGTGGTATGATGCTCATCCCTGCAACCCCGGCTCAGAGGTGGTGGAGAATAA
 CTTCACTGCTCAACAGCTTCTGGTTTGAATGGGCTCCCTGATGCAGCAAGGATCTGAACTGATGCC
 AAAGCTCTGTCTACCCGCATCATTGGCGGCATCTGGTGGTTCTTACCCTCATTATCATCTCCTCTACA
 CGGCCAACCTGGCTGCCTTCTGACTGTGGAGCGTATGGAGTCCGCCATCGACTCCGCTGATGACCTGGC
 CAAGCAGACAAAATAGAGTACGGTGTGTCAAGGACGGGGCCACCATGACCTTCTTCAAGAAATCCAAG
 ATCTCCACCTTTGAGAAGATGTGGGCTTCATGAGCAGCAAGCCCTCGGCTCTGGTGAAGAACACGAGG
 AGGGCATCCAGCGGACGCTCACAGTACTACGCCCTGCTCATGGAGTCCACTACCATAGAGTACATCAC
 ACAGAGGAACTGCAACCTCACCCAGATCGGTGGCTCATCGACTCCAAGGCTATGGCATCGGCACACCC
 ATGGGCTCCCCCTACCGGACAAAATCACCATCGCCATTCTGCAGCTACAGGAGGAGGACAAACTGCACA
 TCATGAAGGAGAAGTGGTGGCGTGGCAGTGGGTGCCCCGAGGAGGAGAACAAGGAGGCCAGCGCCCTGGG
 CATCCAGAAGATCGGCGGCATCTTCATCGTCTGGCCGCGGCTTGGTCTGTCCGTGTTGGTGGCAGTG
 GGCGAGTTCATATACAACTCCGCAAGACAGCGGAGCGGAGCAGCGCTCCTTCTGCAGCACAGTGGCCG
 ACGAGATCCGCTTCTCCCTCACCTGCCAACGGCTCTCAAGCACAAGCCCCAGCTCCTATGATGGTCAA
 GACGGATGCGGTTATCAACATGCACACCTTAAATGACCGAAGGCTGCCAGGCAAGGACAGCATGAGCTGC
 AGCACCTCGCTAGCCCTGTCTTCCC**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001081097
Insert Size:	2760 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_001081097.2 , NP_001074566.1
RefSeq Size:	8860 bp
RefSeq ORF:	2760 bp
Locus ID:	14807
UniProt ID:	B1AS29
Cytogenetics:	4 58.91 cM
Gene Summary:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. Transcript variants encoding different isoforms have been described for this gene, however, their full-length nature is not known. [provided by RefSeq, Jul 2008]