

Product datasheet for **RN201958**

Gria1 (NM_031608) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gria1 (NM_031608) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gria1
Synonyms:	GluA1; gluR-A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201958 representing NM_031608
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTACATCTTTGCCTTTTTCTGCACCGTTTTCTAGGTGCGGTTGTGGGTGCCAATTTCCCAACA
 ATATCCAGATAGGGGGTTATTTCCAAACCAACAATCACAGGAACATGCGGCTTTTAGGTTTGCTTTGTC
 ACAACTCACGGAGCCCCCAAGCTGCTTCCCAGATCGATATTGTGAACATCAGCGACAGCTTTGAGATG
 ACTTACCGTTTCTGTTCCAGTTCTCCAAAGGAGTCTATGCCATCTTTGGATTTTATGAACGAAGGACTG
 TCAACATGCTGACCTCCTTCTGTGGGGCCTCCATGTGTGCTTACTTCAAGTTTTCTGTTGACAC
 ATCCAATCAATTTGCTCCTCAGCTACGCCCGAACTACAGGAAGCTCTCATTAGCATTATCGACCATTAC
 AAGTGGCAAACCTTTGTCTACATTTATGATGCTGACCGGGCCTGTCAGTCTGCAGAGAGTCTTGATA
 CAGCCGCAGAGAAGAACTGGCAGGTAACGGCTGTCAACATTCTGACAACCACCGAGGAAGGATACCGGAT
 GCTCTTTCAGGACCTGGAGAAGAAAAGGAGAGGCTGGTGGTGGTTGACTGTGAATCAGAACGCCTCAAC
 GCCATCCTGGGCCAGATCGTGAAGCTAGAAAAGAAATGGCATCGGGTACCCTACATCCTCGCCAATCTGG
 GCTTCATGGACATTGACTTAAATAAGTTCAAGGAGAGCGGAGCCAATGTGACAGGTTTCCAGCTGGTGA
 CTACACAGACACGATCCCAGCCAGAATCATGCAGCAATGGAGGACAAGTACTCCCGAGACCATACCAGG
 GTGGACTGGAAGAGGCCAAAGTACACTTCTGCTCTCACCTATGATGGTGTCAAGGTGATGGCTGAGGCC
 TCCAAAGCCTGCGGAGGCAGAGGATTGACATATCCCGCCGGGGGAATGCTGGGGACTGTCTGGCTAACCC
 AGCTGTGCCCTGGGGTCAAGGGATCGACATCCAGAGAGCCCTGCAGCAGGTGCGCTTCAAGGTTTGACA
 GGAAATGTGCAGTTCAACGAGAAAAGGGCGCCGACCAATTACACCCTCCACGTGATCGAAATGAAACATG
 ATGGAATCCGAAAAGATTGGTTACTGGAATGAAGACGATAAATTTGTCCCGCAGCCACCGACGCTCAGGC
 TGGAGGGGACAACCTCAAGCGTCCAGAATAGGACCTACATCGTCACTACTATCCTCGAAGATCCTTACG
 ATGCTTAAAAAGAATGCCAACAGTTTGGAGGCAATGACCCTATGAGGGCTACTGTGTGGAGCTGGCTG
 CAGAGATCGCCAAGCACGTGGGCTACTCTACCAGCTTGGAGTTGTGAGCAGCGCAAAATATGGAGCCCG
 GGATCCCAGACACAAGGCTTGGAAATGGCATGGTGGGAGAAGTGGTCTATGGAAGAGCAGAGCTGGCTGTG
 GCTCCCTTGACCATAACCTTGGTCCGGGAGGAAGTCACTGACTTCTCCAAGCCATTCATGAGTTTGGGAA
 TCTCCATTATGATTAAGAAGCCACAGAAGTCCAAGCCAGGTGCTTCTCCTTTCTTGACCCTTTGGCCTA
 TGAGATCTGGATGTGTATAGTGTTCCTACATTTGGAGTGAAGCGTCTCCTTCTCCTGGTCAAGCCTTTC
 AGCCCTACGAATGGCACAGCGAAGAGTTTGAAGAGGGACGAGACCAGACAACCAGTGACCAGTCAAAATG
 AGTTTGGCATATTC AACAGCCTGTGTTTCTCCCTGGGGCCTTCATGCAGCAAGGATGTGACATTTCCCC
 CAGGTCCTGTCCGGACGCATCGTCGGCGGCTGTTGGTGGTTCTTCACTTTGATCATCATCTCCTCGTAC
 ACAGCCAACCTGGCTGCCTTCTGACTGTGGAGAGGATGGTGTCTCCATTGAGAGTGCAGAGGACCTGG
 CAAAGCAGACGGAATGCTTATGGGACATTGGAAGCAGGCTCCACTAAGGAGTTCTTCCAGGAGATCTAA
 AATCGTGTGTTTGAGAAGATGTGGACATACATGAAGTCTGCAGAACCATCCGTGTTTGTTCGGACCACA
 GAGGAAGGCATGATCAGAGTGAGAAAATCTAAAGGCAAAATACGCCTACCTCCTGGAGTCCACCATGAATG
 AGTATATTGAGCAACGAAAGCCCTGTGACACCATGAAAGTGGGAGGTAACCTGGATTCCAAGGCATGG
 CATTGCGACACCCAAGGGTCCGCCCTGAGAAAATCCAGTAAACCTGGCAGTGTAAAACCTGAACGAGCAG
 GGGCTTTTGGACAAATTGAAAACAAATGGTGGTACGACAAGGGCGAGTGCAGCAGCGGGGAGGTGACT
 CCAAGGACAAGACCAGCGCTTGTAGCCTCAGCAATGTGGCAGGCGTGTCTACATCCTGATTGGAGGGCT
 GGGACTGGCCATGCTGGTTGCCTTAATCGAGTTCTGCTACAAATCCCGTAGCGAGTGAAGCGGATGAAG
 GGTTTCTGTTGATCCCACAGCAATCCATCAATGAAGCCATACGGACATCGACCTCCCCCGAACAGTG
 GGGCAGGAGCCAGCGGAGGAGCGGCAGTGGAGAGAATGGCCGGTGGTCAAGCAGGACTTCCCAAGTC
 CATGCAATCCATTCCTGCATGAGTCACAGTTCAGGGATGCCCTGGGAGCCACAGGATTG**TAA**

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_031608

Insert Size:	2724 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_031608.1 , NP_113796.1
RefSeq Size:	2992 bp
RefSeq ORF:	2724 bp
Locus ID:	50592
UniProt ID:	P19490
Cytogenetics:	10q22
Gene Summary:	mouse homolog may play a role in regulation of neuronal synaptic plasticity and conditioned reinforcement learning [RGD, Feb 2006]