

Product datasheet for TP511142

Gria1 (NM_008165) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamate receptor, ionotropic, AMPA1 (alpha 1) (Gria1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211142 protein sequence Red=Cloning site Green=Tags(s)

MPYIAFFCTGFLGAWVGANFPNNIQIGGLFPNQSQEHAAFRALSQLEPPKLLPQIDIVNISDSFEM
TYRFSQFSKGVYAIFGFYERRTVNMLTSFCGALHVCFITPSFPVDTSNQFVLQLRPELQALISIIDHY
KWQTFVYIYDADRGLSVLQRVLDTAAEKNWQVTAVNILTTEEGYRMLFQDLEKKKERLVVDCESERLN
AILGQIVKLEKNGIGYHYILANLGFMDIDLNKFESGANVTGFQLVNYTDTIPARIMQQWRTSDARDHTR
VDWKRPKYTSALTYDGVKVMMAEFQSLRRQRIDISRRGNAGDCLANPAVPWGQGIDIQRALQQVRFEGLT
GNVQFNEKGRRTNYTLHVIEMKHDGIRKIGYWNEDDKFVPAATDAQAGGDNSSVQNRITYIVTTILEDPVV
MLKKNANQFEGNDRYEGYCVELAAEIAKHVGYRLEIVSDGKYGARDPDTKAWNGMVGELVYGRADVAV
APLTITLVREEVIDFSKPFMSLGISIMIKKPQKSKPGVFSFLDPLAYEIVMCIVFAYIGVSVVFLVSRF
SPYEWHSSEFEGRDQTTSDQSNFEGIFNSLWFSLGAFMQGCDISPRSLSGRIVGGVWWFFTLIISSY
TANLAAFLTVERMVSPIESAEDLAKQTEIAYGTLEAGSTKEFFRRSKIIVFEKMWTYMKSAEPSVFRRTT
EEGMIRVRKSKGKYAYLLESTMNEYIEQRKPCDTMKVGGNLDKGYGIATPKGSALRNPVNLAVLKLNEQ
GLLDKLNKWWYDKGECGSGGGDSKDKTSALSLSNVAGVFYILIGGLGLAMLVALIEFCYKRSSESKRMK
GFCLIPQQSINEAIRTSTLPRNSGAGASGGSGSGENGRVVSQDFPKSMQSIPCMSSHSSGMPLGATGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

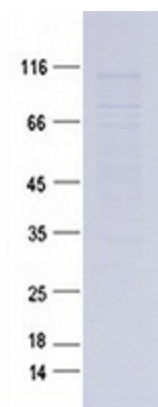
Tag:	C-MYC/DDK
Predicted MW:	101.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_032191</u>
Locus ID:	14799
UniProt ID:	<u>Q7TNB5</u>
RefSeq Size:	5755
Cytogenetics:	11 34.51 cM
RefSeq ORF:	2724
Synonyms:	2900051M01Rik; Glr-1; Glr1; GluA1; Glur-1; GluR-A; gluR-K1; Glur1; GluRA; HIPA1
Summary:	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Gria1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.