

Recombinant Mouse Gria1 Protein, MYC/DDK-tagged

Cat. No. Gria1-1062M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse glutamate receptor, ionotropic, AMPA1 (alpha 1) (Gria1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	101.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Gria1](#) glutamate receptor, ionotropic, AMPA1 (alpha 1) [*Mus musculus* (house mouse)]

Official Symbol [Gria1](#)

Synonyms [Gria1](#); glutamate receptor, ionotropic, AMPA1 (alpha 1); Glr1; Glr-1; GluA1; GluRA; Glur1; HIPA1; GluR-A; Glur-1; glur-K1; 2900051M01Rik; glutamate receptor 1; AMPA-selective glutamate receptor 1; glutamate receptor A; glutamate receptor ionotropic, AMPA 1

Gene ID [14799](#)

mRNA Refseq [NM_008165](#)

Protein Refseq [NP_032191](#)

UniProt ID [Q7TNB5](#)

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