

Recombinant Human GRIA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GRIA1-2761H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GRIA1 MS Standard C13 and N15-labeled recombinant protein (NP_001107655) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	101.3 kDa
AA Sequence	MQHIAFFCTGFLGAVVGANFPNNIQIGGLFPNQQSQEHAAFRFALSQLTEPPKLLP QIDIVNISDSFEMTYRFCSQFSKGVYAIFGFYERRTVNMLTSFCGALHVCFITPSFPV DTSNQFVLQLRPELQDALISIIDHYKWQKFVYIYDADRGLSVLQKVLDTAAEKNWQVT AVNILTTEEGYRMLFQDLEKKKERLVVVDCESERLNAILGQIIKLEKNGIGYHYILANL GFMDIDLNKFKESGANVTGFQLVNYTDTIPAKIMQQWKNSDARDHTRVDWKRPKYT

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SALTYDGVKVMAEAFQSLRRQRIDISRRGNAGDCLANPAVPWGQGIDIQRALQQVR
 FEGLTGNVQFNEKGRRTNYTLHVIEMKHDGIRKIGYWNEDDKFVPAATDAQAGGDN
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 LSNVAGVFYILIGGLGLAMLVALIEFCYKSRSESKRMKGFCCLIPQQSINEAIRTSTLPR
 NSGAGASSGGSGENGRVVSDFPKSMQSI PCMSHSSGMPLGATGLTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [GRIA1 glutamate ionotropic receptor AMPA type subunit 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [GRIA1](#)

Synonyms GRIA1; glutamate receptor, ionotropic, AMPA 1; GLUR1; glutamate receptor 1;

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GluA1; GLURA; AMPA 1; gluR-1; gluR-A; gluR-K1; AMPA-selective glutamate receptor 1; GLUH1; HBGR1; MGC133252;

Gene ID [2890](#)

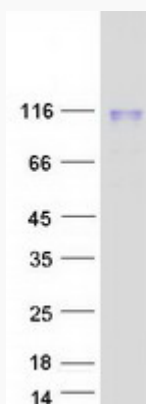
mRNA Refseq [NM_001114183](#)

Protein Refseq [NP_001107655](#)

MIM [138248](#)

UniProt ID [P42261](#)

SDS-PAGE



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