

Recombinant Human GRIA1 Protein, His&GST-tagged

Cat. No. GRIA1-1586H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRIA1 Protein (Gln37-Gly375) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln37-Gly375
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 70 kDa Accurate Molecular Mass: 65 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GRIA1 glutamate receptor, ionotropic, AMPA 1 [Homo sapiens (human)]
Official Symbol	GRIA1
Synonyms	GRIA1; glutamate receptor, ionotropic, AMPA 1; GLUR1; glutamate receptor 1; GluA1; GLURA; AMPA 1; gluR-1; gluR-A; gluR-K1; AMPA-selective glutamate receptor 1; GLUH1; HBGR1; MGC133252;
Gene ID	2890
mRNA Refseq	NM_000827
Protein Refseq	NP_000818

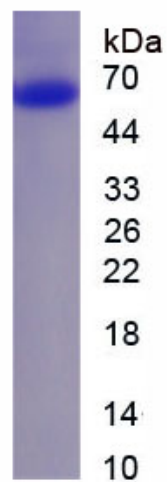
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