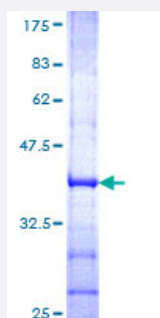


GRIA1 (Human) Recombinant Protein (Q01)

Catalog # H00002890-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GRIA1 partial ORF (NP_000818, 201 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VVDCESERLNAILGQIIKLEKNGIGYHYILANLGFMDIDLNKFESGANVTGFQLVNYTDTIPAKIMQQ WKNSDARDHTRVDWKRPKYTSALTYDGVKVM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GRIA1

Entrez GeneID [2890](#)

GeneBank Accession# [NM_000827](#)

Protein Accession# [NP_000818](#)

Gene Name GRIA1

Gene Alias GLUH1, GLUR1, GLURA, HBGR1, MGC133252

Gene Description glutamate receptor, ionotropic, AMPA 1

Omim ID [138248](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations AMPA 1

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Long-term depression](#)
- [Long-term potentiation](#)

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cognition](#)
- [Drug Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)