Recombinant Human GRIA4 Protein, GST-tagged

Cat. No. GRIA4-5333H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRIA4 full-length ORF (NP_001070712.1, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processe s. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazo le propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->G GA; R->G). Alternative splicing of this gene results in transcript variants encoding diff erent isoforms, which may vary in their signal transduction properties. Some haplotyp es of this gene show a positive association with schizophrenia. [provided by RefSeq
Molecular Mass	75.5 kDa
AA Sequence	MRIISRQIVLLFSGFWGLAMGAFPSSVQIGGLFIRNTDQEYTAFRLAIFLHNTSPNASE APFNLVPHVDNIETANSFAVTNAFCSQYSRGVFAIFGLYDKRSVHTLTSFCSALHISLI TPSFPTEGESQFVLQLRPSLRGALLSLLDHYEWNCFVFLYDTDRGYSILQAIMEKAG QNGWHVSAICVENFNDVSYRQLLEELDRRQEKKFVIDCEIERLQNILEQIVSVGKHVK

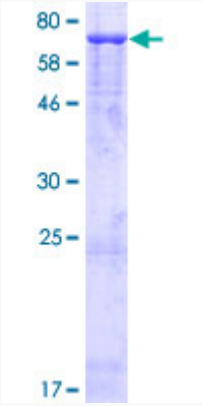
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	GYHYIIANLGFKDISLERFIHGGANVTGFQLVDFNTPMVIKLMDRWKKLDQREYPGSE TPPKYTSALTYDGVLVMAETFRSLRRQKIDISRRGNAGDCLANPAAPWGQGIDMER TLKQVRIQGLTGNVQFDHYGRRVNYTMDVFELKSTGPRKVGYWNDMDKLVLIQDVP TLGNDTAAIENRTVVVTTIMPLMKNPILRN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GRIA4 glutamate receptor, ionotropic, AMPA 4 [Homo sapiens]
Official Symbol	GRIA4
Synonyms	GRIA4; glutamate receptor, ionotropic, AMPA 4; GLUR4, glutamate receptor, ionotrophic, AMPA 4; glutamate receptor 4; GluA4; GLURD; gluR-4; gluR-D; AMPA-selective glutamate receptor 4; glutamate receptor, ionotrophic, AMPA 4; GLUR4; GLUR4C;
Gene ID	2893
mRNA Refseq	NM_000829

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Protein Refseq	NP_000820
MIM	138246
UniProt ID	P48058
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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