

Recombinant Full Length Human GRIA4 Protein, GST-tagged

Cat. No. GRIA4-5624HF **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	In Vitro Cell Free System
ProteinLength	433 amino acids
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 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-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia. [provided by RefSeq]
Molecular Mass	75.5 kDa
AA Sequence	MRIISRQIVLLFSGFWGLAMGAFPSSVQIGGLFIRNTDQEYTAFLAIFLHNTSPNASE APFNLVPHVDNIETANSFAVTNAFCSQYSRGVFAIFGLYDKRSVHTLTSFCSALHISLI TPSFPTEGESQFVLQLRPSLRGALLSLLDHYEWNCVFVLYDTRGYLSILQAIMEKAG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QNGWHVSAICVENFNDVSYRQLLEELDRRQEKKFVIDCEIERLQNILEQIVSVGKHVK
 GYHYIIANLGFKDISLERFIHGGANVTGFLVDFNTPMVIKLMDRWKKLDQREYPGSE
 TPPKYTSALTYDGVLMMAETFRSLRRQKIDISRRGNAGDCLANPAAPWGQGIDMER
 TLKQVRIQGLTGNVQFDHYGRRVNYTMDVFELKSTGPRKVGWYNDMDKLVLIQDVP
 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, ionotropic, AMPA 4; glutamate receptor 4; GluA4; GLURD; gluR-4; gluR-D; AMPA-selective glutamate receptor 4; glutamate receptor, ionotropic, AMPA 4; GLUR4; GLUR4C;

Gene ID

[2893](#)

mRNA Refseq

[NM_000829](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_000820
MIM	138246
UniProt ID	P48058

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA