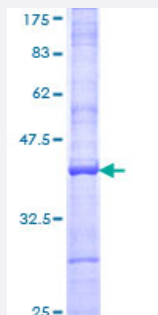


GRIA3 (Human) Recombinant Protein (Q01)

Catalog # H00002892-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GRIA3 partial ORF (NP_000819, 151 a.a. - 250 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRRIEEMDRRQEKR YLIDCEVERINTILEQVVILGKHSRGYHYMLANL
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 — GRIA3

Entrez GeneID [2892](#)

GeneBank Accession# [NM_000828](#)

Protein Accession# [NP_000819](#)

Gene Name GRIA3

Gene Alias GLUR-C, GLUR-K3, GLUR3, GLURC, MRX94

Gene Description glutamate receptor, ionotropic, AMPA 3

Omim ID [305915](#)

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 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 at this locus results in different isoforms, which may vary in their signal transduction properties. [provided by RefSeq]

Other Designations OTTHUMP00000024261|OTTHUMP00000024262|dJ1171F9.1|glutamate receptor 3|glutamate receptor C|glutamate receptor subunit 3

Pathway

- [Long-term depression](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Autistic Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Migraine Disorders](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
- [Sleep Disorders](#)
- [Weight Gain](#)