

Recombinant Human GRIA3 protein, His & T7-tagged

Cat. No. GRIA3-1352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRIA3 aa. (Thr649~Asn823 (Accession# P42263) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr649~Asn823
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 at this locus results in different isoforms, which may vary in their signal transduction properties.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 9.2.
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	GRIA3 glutamate ionotropic receptor AMPA type subunit 3 [Homo sapiens (human)]
Official Symbol	GRIA3
Synonyms	GRIA3; glutamate ionotropic receptor AMPA type subunit 3; GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3; glutamate receptor 3; AMPA-selective glutamate receptor 3; dJ1171F9.1; glur-3; glutamate receptor C; glutamate receptor subunit 3; glutamate receptor, ionotropic, AMPA 3; glutamate receptor, ionotropic, AMPA 3
Gene ID	2892

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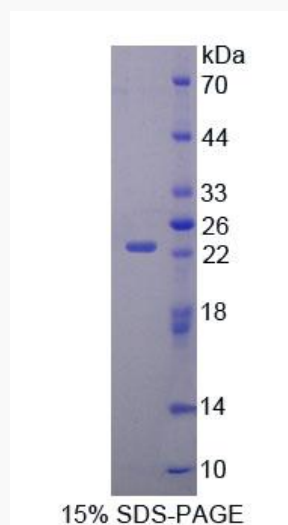
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mRNA Refseq NM_000828.4

Protein Refseq NP_000819.3

UniProt ID P42263

SDS-PAGE



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