

Recombinant Human GRIA3 Protein (151-250 aa), His-SUMO-tagged

Cat. No. GRIA3-537H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRIA3 Protein (151-250 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	151-250 aa
Description	Receptor for glutamate that functions as ligand-gated ion channel in the central nervous syst and plays an important role in excitatory synaptic transmission. L- glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous syst. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	28.0 kDa

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AA Sequence	SLLGHYKWEKVVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRRIIE EMDRRQEKRYLIDCEVERINTILEQVVILGKHSRGYHYMLANL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	GRIA3 glutamate receptor, ionotropic, AMPA 3 [Homo sapiens]
Official Symbol	GRIA3
Synonyms	GRIA3; GluA3; GLURC; MRX94; glur-3; dJ1171F9.1; GLUR3; GLUR-C; GLUR-K3;
Gene ID	2892
mRNA Refseq	NM_000828
Protein Refseq	NP_000819
MIM	305915

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UniProt ID

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