

# 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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>AA Sequence</b>	SLLGHYKWEKVVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRIIE EMDRRQEKRYLIDCEVERINTILEQVVILGKHSRGGYHYMLANL
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	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.
<b>Concentration</b>	A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



UniProt ID

P42263

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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