

Datasheet for ABIN5709613

Glutamate Receptor 3 Protein (AA 151-250, partial) (His-SUMO Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	Glutamate Receptor 3 (GRIA3)
Protein Characteristics:	AA 151-250, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutamate Receptor 3 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	SLLGHYKWEK FVYLYDTERG FSILQAIMEA AVQNNWQVTA RSVGNIKDVQ EFRRIIIEEMD RRQEKRYLID CEVERINTIL EQVVILGKHS RGYHYMLANL
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Glutamate Receptor 3 (GRIA3)
Alternative Name:	GRIA3 (GRIA3 Products)
Background:	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

Target Details

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.

Molecular Weight: 27.97 kDa

UniProt: [P42263](#)

Pathways: [PI3K-Akt Signaling](#), [cAMP Metabolic Process](#), [Synaptic Membrane](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

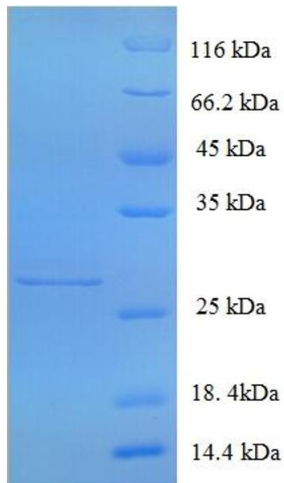
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.