

Datasheet for ABIN7597211

Glutamate Receptor 3 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	Glutamate Receptor 3 (GRIA3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Glutamate Receptor 3 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), ELISA, Cryogenic electron microscopy (cryo-EM), Phage Display (PhD), Surface Plasmon Resonance (SPR)

Product Details

Purpose:	Human GRIA3-Strep full length protein-synthetic nanodisc
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Target Details

Target:	Glutamate Receptor 3 (GRIA3)
Alternative Name:	GRIA3 (GRIA3 Products)
Background:	<p>GLUR-C, GLUR-K3, GLUR3, GLURC, GluA3, MRX94, MRXSW</p> <p>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,</p>

Target Details

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, Jul 2008]

Molecular Weight: The human full length GRIA3-Strep protein has a MW of 101.2 kDa

UniProt: [P42263](#)

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

Application Details

Comment: Advantages:

- Highly purified membrane proteins
- High solubility in aqueous solutions
- High stability
- Proteins are in a native membrane environment and remain biologically active
- No detergent and can be used for cell-based assays
- No MSP backbone proteins
- Mammalian cell expression system ensures post- translational modifications

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months