

Datasheet for ABIN7597202

GRIK5 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	GRIK5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This GRIK5 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Cryogenic electron microscopy (cryo-EM), ELISA, Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

Product Details

Purpose:	Human GRIK5-Strep full length protein-synthetic nanodisc
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Target Details

Target:	GRIK5
Alternative Name:	GRIK5 (GRIK5 Products)
Background:	<p>EAA2, GRIK2, GluK5, KA2</p> <p>This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p>

Target Details

Molecular Weight:	The human full length GRIK5-Strep protein has a MW of 109.3 kDa
UniProt:	Q16478
Pathways:	Carbohydrate Homeostasis , Synaptic Membrane , Maintenance of Protein Location , Synaptic Vesicle Exocytosis

Application Details

Comment:	<p>Advantages:</p> <ul style="list-style-type: none">• 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
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Restrictions:	For Research Use only
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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:	<p>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).</p> <p>Lyophilized proteins are shipped at ambient temperature.</p>
Expiry Date:	12 months