

Datasheet for ABIN7597182

GABRG2 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	GABRG2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This GABRG2 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), Cryogenic electron microscopy (cryo-EM), ELISA, Phage Display (PhD), Surface Plasmon Resonance (SPR)

Product Details

Purpose:	Human GBRG2-Strep full length protein-synthetic nanodisc
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Target Details

Target:	GABRG2
Alternative Name:	GBRG2 (GABRG2 Products)
Background:	<p>CAE2, DEE74, ECA2, EIEE74, FEB8, GEFSP3</p> <p>This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p>

Target Details

Molecular Weight: The human full length GBRG2-Strep protein has a MW of 54.2 kDa

UniProt: [P18507](#)

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