

Datasheet for ABIN7597179

GABRD Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	GABRD
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This GABRD 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 GBRD-Strep full length protein-synthetic nanodisc
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Target Details

Target:	GABRD
Alternative Name:	GBRD (GABRD Products)
Background:	<p>EIG10, EJM7, GEFSP5</p> <p>Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This gene encodes the delta subunit. Mutations in this gene have been associated with susceptibility to generalized epilepsy with febrile</p>

Target Details

seizures, type 5. Alternatively spliced transcript variants have been described for this gene, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Molecular Weight: The human full length GBRD-Strep protein has a MW of 50.7 kDa

UniProt: [O14764](#)

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