

Datasheet for ABIN7596730

## Galanin Receptor 1 Protein (GALR1) (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	Galanin Receptor 1 (GALR1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Galanin Receptor 1 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

### Product Details

Purpose:	Human GALR1-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	Galanin Receptor 1 (GALR1)
Alternative Name:	GALR1 ( <a href="#">GALR1 Products</a> )
Background:	<p>GALNR, GALNR1</p> <p>The neuropeptide galanin elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart. [provided by RefSeq, Jul 2008]</p>

## Target Details

Molecular Weight: The human full length GALR1-Strep protein has a MW of 39 kDa

UniProt: [P47211](#)

Pathways: [cAMP Metabolic Process](#)

## 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