Datasheet for ABIN7596735

GHSR Protein (DYKDDDDK Tag,Strep Tag)

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Overview

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

Product Details

Purpose:	Human GHSR-Strep full length protein-synthetic nanodisc

Target Details

Target:	GHSR
Alternative Name:	GHSR (GHSR Products)
Background:	GHDP The protein may play a role in energy homeostasis and regulation of body weight. Two identified transcript variants are expressed in several tissues and are evolutionary conserved in fish and swine. One transcript, 1a, excises an intron and encodes the functional protein, this protein is the receptor for the Ghrelin ligand and defines a neuroendocrine pathway for growth hormone release. The second transcript (1b) retains the intron and does not function as a receptor for Ghrelin, however, it may function to attenuate activity of isoform 1a. Mutations in

Target Details

	this gene are associated with autosomal idiopathic short stature.
Molecular Weight:	The human full length GHSR-Strep protein has a MW of 41.3 kDa
UniProt:	Q92847
Pathways:	Hormone Transport, Negative Regulation of Hormone Secretion, Feeding Behaviour

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