

Datasheet for ABIN7596606

G Protein-Coupled Receptor 133 Protein (GPR133) (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	G Protein-Coupled Receptor 133 (GPR133)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This G Protein-Coupled Receptor 133 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 ADGRD1-Strep full length protein-synthetic nanodisc
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Target Details

Target:	G Protein-Coupled Receptor 133 (GPR133)
Alternative Name:	ADGRD1 (GPR133 Products)
Background:	GPR133, PGR25 The adhesion G-protein-coupled receptors (GPCRs), including GPR133, are membrane-bound proteins with long N termini containing multiple domains. GPCRs, or GPRs, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.
Molecular Weight:	The human full length ADGRD1-Strep protein has a MW of 96.5 kDa
UniProt:	Q6QNK2

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
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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:	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