

Datasheet for ABIN7596678

G Protein-Coupled Receptor 116 Protein (GPR116) (DYKDDDDK Tag, Strep Tag)



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	G Protein-Coupled Receptor 116 (GPR116)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This G Protein-Coupled Receptor 116 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Surface Plasmon Resonance (SPR), Phage Display (PhD), ELISA, Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human AGRF5-Strep full length protein-synthetic nanodisc
----------	--

Target Details

Target:	G Protein-Coupled Receptor 116 (GPR116)
Alternative Name:	AGRF5 (GPR116 Products)
Background:	GPR116, KPG_001 Receptor that plays a critical role in lung surfactant homeostasis. May play a role in controlling adipocyte function.[UniProtKB/Swiss-Prot Function]
Molecular Weight:	The human full length AGRF5-Strep protein has a MW of 149.5 kDa
UniProt:	Q8IZF2
Pathways:	Carbohydrate Homeostasis

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