Datasheet for ABIN7596680

ADGRG4 / GPR112 Protein (DYKDDDDK Tag,Strep Tag)

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Overview

Quantity:	10 µg
Target:	ADGRG4 / GPR112 (ADGRG4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This ADGRG4 / GPR112 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 AGRG4-Strep full length protein-synthetic nanodisc

Target Details

Target:	ADGRG4 / GPR112 (ADGRG4)
Alternative Name:	AGRG4
Background:	GPR112, PGR17, RP1-299I16 This gene encodes a G-protein coupled receptor belonging to a large family of diverse integral membrane proteins that participate in various physiological functions. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The ligand for this family member is unknown, and it is therefore an orphan receptor. This receptor is known to be expressed in normal enterochromaffin cells and in gastrointestinal neuroendocrine carcinoma cells, and it is therefore considered to be a novel biomarker or target for

Target Details

	immunotherapy. [provided by RefSeq, May 2010]
Molecular Weight:	The human full length AGRG4-Strep protein has a MW of 333.4 kDa
UniProt:	Q8IZF6

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