Datasheet for ABIN7596581

Prokineticin Receptor 1 Protein (PROKR1) (DYKDDDDK Tag,Strep Tag)

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Overview

Quantity:	10 µg
Target:	Prokineticin Receptor 1 (PROKR1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Prokineticin Receptor 1 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 PROKR1-Strep full length protein-synthetic nanodisc

Target Details

Target:	Prokineticin Receptor 1 (PROKR1)
Alternative Name:	PROKR1 (PROKR1 Products)
Background:	GPR73,GPR73a,PK-R1,PKR1,ZAQ A member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this

Target Details

	gene may be associated with recurrent miscarriage.
Molecular Weight:	The human full length PROKR1-Strep protein has a MW of 44.8 kDa
UniProt:	Q8TCW9
Pathways:	Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Myometrial Relaxation and Contraction, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma

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