Datasheet for ABIN7491713

Prokineticin Receptor 1 Protein (PROKR1)

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Overview

Quantity:	100 µg
Target:	Prokineticin Receptor 1 (PROKR1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human PROKR1 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	Prokineticin Receptor 1 (PROKR1)
Alternative Name:	PROKR1 (PROKR1 Products)
Background:	GPR73, GPR73a, PK-R1, PKR1, ZAQ Description: This gene encodes 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 gene may be associated with recurrent miscarriage. [provided by RefSeq, Aug 2016]

Target Details

Molecular Weight:	The human full length PROKR1 protein has a MW of 44.6 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

Application Notes:	• Applications for VLPs: • ELISA • SPR affinity analysis • Phage display screening • Immunization • Cell based assays • CAR-T cell screening • Protein cystal structure analysis
Comment:	Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)
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