Datasheet for ABIN7596878

OR1F1 Protein (DYKDDDDK Tag,Strep Tag)

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Overview

Quantity:	10 µg
Target:	OR1F1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This OR1F1 protein is labelled with DYKDDDDK Tag,Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human OR1F1-Strep full length protein-synthetic nanodisc

Target Details

Target:	OR1F1
Alternative Name:	OR1F1 (OR1F1 Products)
Background:	OLFMF, OR16-36, OR16-37, OR16-88, OR16-89, OR16-90, OR1F10, OR1F13P, OR1F4, OR1F5, OR1F6, OR1F7, OR1F8, OR1F9, OR3-145, ORL1023 Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated

Target Details

	transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]
Molecular Weight:	The human full length OR1F1-Strep protein has a MW of 34.9 kDa
UniProt:	O43749

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