Datasheet for ABIN7596904

Oxytocin Receptor Protein (OXTR) (DYKDDDDK Tag,Strep Tag)

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Overview

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

Target Details

Target:	Oxytocin Receptor (OXTR)
Alternative Name:	OXYR (OXTR Products)
Background:	OT-R, OTR The protein belongs to the G-protein coupled receptor family and acts as a receptor for oxytocin. Its activity is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition.
Molecular Weight:	The human full length OXYR-Strep protein has a MW of 42.8 kDa

Target Details

UniProt:	P30559
Pathways:	Myometrial Relaxation and Contraction, Feeding Behaviour

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