

Datasheet for ABIN7596646

Serotonin Receptor 4 Protein (HTR4) (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	Serotonin Receptor 4 (HTR4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Serotonin Receptor 4 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human 5HT4R-Strep full length protein-synthetic nanodisc
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Target Details

Target:	Serotonin Receptor 4 (HTR4)
Alternative Name:	5HT4R (HTR4 Products)
Background:	<p>5-HT4, 5-HT4R</p> <p>This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described.</p> <p>[provided by RefSeq, May 2010]</p>

Target Details

Molecular Weight:	The human full length 5HT4R-Strep protein has a MW of 43.8 kDa
UniProt:	Q13639
Pathways:	JAK-STAT Signaling , cAMP Metabolic Process , S100 Proteins

Application Details

Comment:	<p>Advantages:</p> <ul style="list-style-type: none">• 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
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Restrictions:	For Research Use only
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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:	<p>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).</p> <p>Lyophilized proteins are shipped at ambient temperature.</p>
Expiry Date:	12 months