

Datasheet for ABIN7597149

Serotonin Receptor 3A Protein (HTR3A) (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	Serotonin Receptor 3A (HTR3A)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Serotonin Receptor 3A protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Cryogenic electron microscopy (cryo-EM), ELISA, Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

Product Details

Purpose:	Human 5HT3A-Strep full length protein-synthetic nanodisc
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Target Details

Target:	Serotonin Receptor 3A (HTR3A)
Alternative Name:	5HT3A (HTR3A Products)
Background:	<p>5-HT-3, 5-HT3A, 5-HT3R, 5HT3R, HTR3</p> <p>The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and</p>

Target Details

	response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Molecular Weight:	The human full length 5HT3A-Strep protein has a MW of 55.3 kDa
UniProt:	P46098
Pathways:	Synaptic Membrane

Application Details

Comment:	<div>Advantages:</div> <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
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