

Datasheet for ABIN7596638

## Serotonin Receptor 1A Protein (HTR1A) (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	Serotonin Receptor 1A (HTR1A)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Serotonin Receptor 1A protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), ELISA, Cryogenic electron microscopy (cryo-EM), Phage Display (PhD), Surface Plasmon Resonance (SPR)

### Product Details

Purpose:	Human 5HT1A-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	Serotonin Receptor 1A (HTR1A)
Alternative Name:	5HT1A ( <a href="#">HTR1A Products</a> )
Background:	<p>5-HT-1A, 5-HT1A, 5HT1a, ADRB2RL1, ADRBRL1, G-21, PFMCD</p> <p>This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers.</p> <p>[provided by RefSeq, Jun 2012]</p>

## Target Details

Molecular Weight:	The human full length 5HT1A-Strep protein has a MW of 46.1 kDa
UniProt:	<a href="#">P08908</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Feeding Behaviour</a>

## Application Details

Comment:	<p>Advantages:</p> <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li><li>• Mammalian cell expression system ensures post- translational modifications</li></ul>
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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