

Datasheet for ABIN7597149

**Serotonin Receptor 3A Protein (HTR3A) (DYKDDDDK Tag, Strep Tag)**[Go to Product page](#)

## 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
----------	--

## Target Details

Target:	Serotonin Receptor 3A (HTR3A)
Alternative Name:	5HT3A ( <a href="#">HTR3A Products</a> )
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: 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