

Datasheet for ABIN7596639

5HT1B Receptor Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	5HT1B Receptor (HTR1B)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This 5HT1B Receptor protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human 5HT1B-Strep full length protein-synthetic nanodisc
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Target Details

Target:	5HT1B Receptor (HTR1B)
Alternative Name:	5HT1B (HTR1B Products)
Background:	<p>5-HT-1B, 5-HT-1D-beta, 5-HT1B, 5-HT1DB, HTR1D2, HTR1DB, S12</p> <p>The protein encoded by this intronless gene is a G-protein coupled receptor for serotonin (5-hydroxytryptamine). Ligand binding activates second messengers that inhibit the activity of adenylate cyclase and manage the release of serotonin, dopamine, and acetylcholine in the brain. The encoded protein may be involved in several neuropsychiatric disorders and therefore is often a target of antidepressant and other psychotherapeutic drugs. [provided by RefSeq, Nov 2015]</p>

Target Details

Molecular Weight:	The human full length 5HT1B-Strep protein has a MW of 43.6 kDa
UniProt:	P28222
Pathways:	JAK-STAT Signaling , cAMP Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling , Feeding Behaviour , S100 Proteins

Application Details

Comment:	Advantages: <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:	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