

Datasheet for ABIN7596846

NPY1R Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	NPY1R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This NPY1R protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human NPY1R-Strep full length protein-synthetic nanodisc
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Target Details

Target:	NPY1R
Alternative Name:	NPY1R (NPY1R Products)
Background:	<p>NPY1-R, NPYR</p> <p>The transmembrane protein mediates the function of neuropeptide Y (NPY), a neurotransmitter, and peptide YY (PYY), a gastrointestinal hormone. The encoded receptor undergoes fast agonist-induced internalization through clathrin-coated pits and is subsequently recycled back to the cell membrane. Activation of Y1 receptors may result in mobilization of intracellular calcium and inhibition of adenylate cyclase activity.</p>

Target Details

Molecular Weight:	The human full length NPY1R-Strep protein has a MW of 44.4 kDa
UniProt:	P25929
Pathways:	Negative Regulation of Hormone Secretion, Feeding Behaviour

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