

Datasheet for ABIN7596660

alpha 1 Adrenergic Receptor Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	alpha 1 Adrenergic Receptor (ADRA1A)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This alpha 1 Adrenergic Receptor protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human ADA1A-Strep full length protein-synthetic nanodisc
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Target Details

Target:	alpha 1 Adrenergic Receptor (ADRA1A)
Alternative Name:	ADA1A (ADRA1A Products)
Background:	<p>ADRA1C, ADRA1L1, ALPHA1AAR</p> <p>Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having</p>

Target Details

	similar ligand binding properties. [provided by RefSeq, Jul 2008]
Molecular Weight:	The human full length ADA1A-Strep protein has a MW of 51.5 kDa
UniProt:	P35348
Pathways:	AMPK Signaling

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
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:	<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