

Datasheet for ABIN7596658

## CHRM5 Protein (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	CHRM5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This CHRM5 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 ACM5-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	CHRM5
Alternative Name:	ACM5 ( <a href="#">CHRM5 Products</a> )
Background:	<p>HM5</p> <p>The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The clinical implications of this receptor are unknown, however, stimulation of this receptor is known to increase cyclic AMP</p>

## Target Details

	levels. [provided by RefSeq, Jul 2008]
Molecular Weight:	The human full length ACM5-Strep protein has a MW of 60.1 kDa
UniProt:	<a href="#">P08912</a>
Pathways:	<a href="#">Synaptic Membrane</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>
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