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Datasheet for ABIN7491683

**HRH3 Protein**

## Overview

Quantity:	100 µg
Target:	HRH3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

## Product Details

Purpose:	Human HRH3 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

## Target Details

Target:	HRH3
Alternative Name:	HRH3 ( <a href="#">HRH3 Products</a> )
Background:	<p>GPCR97, HH3R</p> <p>Description: Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. [provided by RefSeq, Jul 2008]</p>
Molecular Weight:	The human full length HRH3 protein has a MW of 48.5 kDa

## Target Details

UniProt: [Q9Y5N1](#)

Pathways: [cAMP Metabolic Process](#), [Feeding Behaviour](#)

## Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: RT, -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.