

Datasheet for ABIN7597131

## TRPM1 Protein (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	TRPM1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This TRPM1 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), Cryogenic electron microscopy (cryo-EM), ELISA, Phage Display (PhD), Surface Plasmon Resonance (SPR)

### Product Details

Purpose:	Human TRPM1-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	TRPM1
Alternative Name:	TRPM1 ( <a href="#">TRPM1 Products</a> )
Background:	<p>CSNB1C, LTRPC1, MLSN1</p> <p>This gene encodes a member of the transient receptor potential melastatin subfamily of transient receptor potential ion channels. The encoded protein is a calcium permeable cation channel that is expressed in melanocytes and may play a role in melanin synthesis. Specific mutations in this gene are the cause autosomal recessive complete congenital stationary night blindness-1C. The expression of this protein is inversely correlated with melanoma aggressiveness and as such it is used as a prognostic marker for melanoma metastasis.</p>

## Target Details

Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]

Molecular Weight: The human full length TRPM1-Strep protein has a MW of 182.2 kDa

UniProt: [Q7Z4N2](#)

## Application Details

Comment: Advantages:

- 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: 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