

Datasheet for ABIN7596632

**TAS1R3 Protein (DYKDDDDK Tag, Strep Tag)**[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	TAS1R3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This TAS1R3 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Cryogenic electron microscopy (cryo-EM), ELISA, Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

## Product Details

Purpose:	Human TAS1R3-Strep full length protein-synthetic nanodisc
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## Target Details

Target:	TAS1R3
Alternative Name:	TAS1R3 ( <a href="#">TAS1R3 Products</a> )
Background:	<p>T1R3</p> <p>The protein encoded by this gene is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response.</p>
Molecular Weight:	The human full length TAS1R3-Strep protein has a MW of 93.4 kDa
UniProt:	<a href="#">Q7RTX0</a>

## Application Details

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Comment:	Advantages: <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>
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Restrictions:	For Research Use only
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## Handling

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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