

Datasheet for ABIN7596964

## TS1R1 protein (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	TS1R1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	DYKDDDDK Tag, Strep Tag
Application:	Cryogenic electron microscopy (cryo-EM), ELISA, Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

### Product Details

Purpose:	Human TS1R1-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	TS1R1
Background:	<p>GM148, GPR70, T1R1, TR1</p> <p>The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1 3. The T1R1 3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1 3, and this activation is strictly dependent on an intact T1R1 3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]</p>
Molecular Weight:	The human full length TS1R1-Strep protein has a MW of 93.1 kDa

## Target Details

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UniProt: [Q7RTX1](#)

## 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