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Datasheet for ABIN7544259

**TAS2R1 Protein (AA 1-299) (His tag)**

## Overview

Quantity:	1 mg
Target:	TAS2R1
Protein Characteristics:	AA 1-299
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TAS2R1 Protein expressed in mammalian cells.
Sequence:	MLESHLIIFY LLAVIQFLG IFTNGIIVVV NGIDLIKHRK MAPLDLLLSC LAVSRIFLQL FIFVNVIVI FFIEFIMCSA NCAILLFINE LELWLATWLG VFYCAKVASV RHPLFIWLKM RISKLVPWMI LGSLLYVSMI CVFHSKYAGF MVPYFLRKFF SQNATIQKED TLAIQIFS FV AEFSVPLLI F LFAVLLLIFS LGRHTRQMRN TVAGSRVPGR GAPISALLSI LSFLILYFSH CMIKVFLSSL KFHIRRFIFL FFILVIGIYP SGHSLILILG NPKLKQNAKK FLLHSKCCQ <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	TAS2R1
Alternative Name:	TAS2R1 ( <a href="#">TAS2R1 Products</a> )
Background:	Taste receptor type 2 member 1 (T2R1) (Taste receptor family B member 7) (TRB7),FUNCTION: Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5.
Molecular Weight:	34.3 kDa
UniProt:	<a href="#">Q9NYW7</a>

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## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

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## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months