

Datasheet for ABIN7544088

TAS2R50 Protein (AA 1-299) (His tag)



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Overview

Quantity:	1 mg
Target:	TAS2R50
Protein Characteristics:	AA 1-299
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R50 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TAS2R50 Protein expressed in mammalian cells.
Sequence:	MITFLYIFFS ILIMVLFVLG NFANGFIALV NFIDWVKRKK ISSADQILTA LAVSRIGLLW ALLLNWYLTV LNPAFYVEL RITSYNWVW TNHFSMWLAA NLSIFYLLKI ANFSNLLFLH LKRRVRSVIL VILLGTLIFL VCHLLVANMD ESMWAEYEG NMTGKMKLRN TVHLSYLTVT TLWSFIPFTL SLISFLMLIC SLCKHLKMQ LHGEQSQDLS TKVHIKALQT LISFLLLCAL FFLFLIVSVW SPRRLRNDPV VMVSKAVGNI YLAFDSFILI WRTKKLKHTF LLILCQIRC 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.
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

- 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.

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

Target Details

Target:	TAS2R50
Alternative Name:	TAS2R50 (TAS2R50 Products)
Background:	Taste receptor type 2 member 50 (T2R50) (Taste receptor type 2 member 51) (T2R51),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 (By similarity). {ECO:0000250}.
Molecular Weight:	34.6 kDa
UniProt:	P59544

Application Details

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

Handling

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