

Datasheet for ABIN7544087

TAS2R46 Protein (AA 1-309) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TAS2R46
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R46 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TAS2R46 Protein expressed in mammalian cells.
Sequence:	MITFLPIIFS ILIVTFVIG NFANGFIALV NSIEWFKRQK ISFADQILTA LAVSRVGLLW VLVLNHWYATE LNPAFNSIEV RITAYNVWAV INHFSNWLAT SLSIFYLLKI ANFSNLIFLH LKRRVKSVVL VILLGPLLFL VCHLFVINMN QIIWTKEYEG NMTWKIKLRS AMYLSNTTVT ILANLVPFTL TLISFLLLIC SLCKHLKMQ LHGKGSQDPS MKVHIKALQT VTSFLLLCAL YFLSIIMSVW SFESLENKPV FMFCEAIAFS YPSTHPFILI WGNKCLKQTF LSVLWHVRYW VKGEKPSSS 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:	TAS2R46
Alternative Name:	TAS2R46 (TAS2R46 Products)
Background:	Taste receptor type 2 member 46 (T2R46) (Taste receptor type 2 member 54) (T2R54),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). In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency (By similarity). {ECO:0000250}.
Molecular Weight:	35.5 kDa
UniProt:	P59540

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.
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Application Details

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