

Datasheet for ABIN7544216

TAS2R31 Protein (AA 1-309) (His tag)



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Overview

Quantity:	1 mg
Target:	TAS2R31
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R31 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TAS2R31 Protein expressed in mammalian cells.
Sequence:	<p>MTTFIPIIFS SVVVVLFVIG NFANGFIALV NSIERVKRQK ISFADQILTA LAVSRVGLLW</p> <p>VLLLNWYSTV FNPAFYSEV RTTAYNVWAV TGHFSNWLAT SLSIFYLLKI ANFSNLIFLH</p> <p>LKRRVKSVIL VMLLGPLLFL ACQLFVINMK EIVRTKEYEG NLTWKIKLRS AVYLSDATVT</p> <p>TLGNLVPFTL TLLCFLLLIC SLCKHLKMQ LHGKGSQDPS TKVHIKALQT VIFFLLLCAY</p> <p>YFLSIMISVW SFGSLENKPV FMFCKAIRFS YPSIHPFILI WGNKKLKQTF LSVLRQVRYW</p> <p>VKGEKPSSP 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.</p>
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:	TAS2R31
Alternative Name:	TAS2R31 (TAS2R31 Products)
Background:	Taste receptor type 2 member 31 (T2R31) (Taste receptor type 2 member 44) (T2R44) (Taste receptor type 2 member 53) (T2R53),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). Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. {ECO:0000250}.
Molecular Weight:	35.3 kDa
UniProt:	P59538

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