

Datasheet for ABIN7544220

TAS2R43 Protein (AA 1-309) (His tag)



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Overview

Quantity:	1 mg
Target:	TAS2R43
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R43 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TAS2R43 Protein expressed in mammalian cells.
Sequence:	MITFLPIIFS SLVVVTFVIG NFANGFIALV NSIEWFKRQK ISFADQILTA LAVSRVGLLW VLLLNWYSTV LNPAFNSVEV RTTAYNIWAV INHFSNWLAT TLSIFYLLKI ANFSNFIFLH LKRRVKSVIL VMLLGPLLFL ACHLFVINMN EIVRTKEFEG NMTWKIKLKS AMYFSNMTVT MVANLVPFTL TLLSFMLLIC SLCKHLKMQ LHGKGSQDPS TKVHIKALQT VISFLLCAI YFLSIMISVW SFGSLENKPV FMFCKAIRFS YPSIHPFILI WGNKKLKQTF LSVFWQMRYW VKGEKTSSP 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:	TAS2R43
Alternative Name:	TAS2R43 (TAS2R43 Products)
Background:	Taste receptor type 2 member 43 (T2R43) (Taste receptor type 2 member 52) (T2R52),FUNCTION: Gustducin-coupled receptor implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency. May act as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity). {ECO:0000250}.
Molecular Weight:	35.6 kDa
UniProt:	P59537

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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