

Datasheet for ABIN7561648

TAS2R4 Protein (AA 1-297) (His tag)



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Overview

Quantity:	1 mg
Target:	TAS2R4 (Tas2r108)
Protein Characteristics:	AA 1-297
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAS2R4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Tas2r4 Protein expressed in mammalian cells.
Sequence:	<p>MLWELYVFVF AASVFLNFVG IIANLFIIVI IIKTWVNSRR IASPDRILFS LAITRFLT LG LFLLSVYIA</p> <p>TNTGRSVYFS TFFLLCWKFL DANSLWLVTI LNSLYCVKIT NFQHPVFLLL KRTISMKTTS</p> <p>LLLACLLISA LTTLLYYMLS QISRPEHII GRNDTSFDLS DGILTLVASL VLNSLLQFML</p> <p>NVTFASLLIH SLRRHIQKMQ RNRTSFWN PQ TEAHMGAMRL MICFLVLYIP YSIATLLYLP</p> <p>SYMRKNLRAQ AICMIITAAY PPGHSVLLII THHKLKAKAK KIFCFYK 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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, Western Blot
Grade:	custom-made

Target Details

Target:	TAS2R4 (Tas2r108)
Alternative Name:	Tas2r4 (Tas2r108 Products)
Background:	Taste receptor type 2 member 4 (T2R4) (Taste receptor type 2 member 8) (T2R8),FUNCTION: Gustducin-coupled receptor for denatonium and N(6)-propyl-2-thiouracil 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. In airway epithelial cells, binding of denatonium increases the intracellular calcium ion concentration and stimulates ciliary beat frequency (By similarity). {ECO:0000250}.
Molecular Weight:	34.2 kDa
UniProt:	Q9JKT3

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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