

Product datasheet

Recombinant Human TAS2R9 protein ab162364

1 Image

Overview

Product name	Recombinant Human TAS2R9 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Species	Human
Sequence	MPSAIEAMILIAGELTIGWGNFVLVNCIDWLKRRDISLIDILIS LAISRICLLCVISLDGFFMLLFPPTYGNSVLVSVNVVWTFANNSSLWFT SCLSIFYLLKIANISHPFFFWLKLKINKVMLAILLGSFLISLIISVPKND DMWYHLFKVSHEENITWKFVSKIPGTFKQLTLNLGVMVPPFILCLISFFL LLFSLVRHTKQIRLHATGFRDPSTEAHMRAIKAVIIFLLLLIVYYPVFLV MTSSALIPQGKLVLMIGDIVTVIFPSSHFILIMGNSKLREAFKMLRFV KCFLRRRKPFVP
Amino acids	1 to 312
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162364** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
------------------------------	---

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

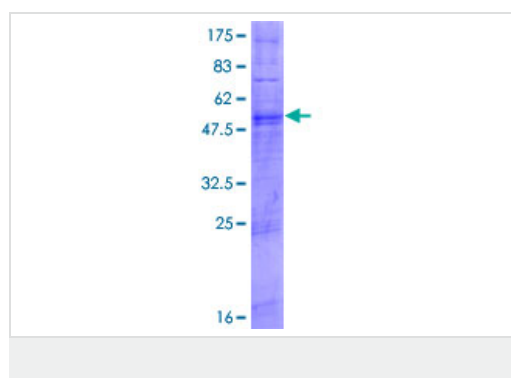
Relevance

TAS2R9 belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional expression studies, they respond to bitter tastants. This gene maps to the taste receptor gene cluster on chromosome 12p13. TAS2R9 is implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. It signals through PLCB2 and the calcium regulated cation channel TRPM5.

Cellular localization

Membrane; Multipass membrane protein.

Images



ab162364 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors