

## Product datasheet

# Recombinant Human TAS2R9 protein ab162364

1 Image

### Overview

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<b>Product name</b>	Recombinant Human TAS2R9 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ

### Amino Acid Sequence

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

### Specifications

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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.

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

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### Relevance

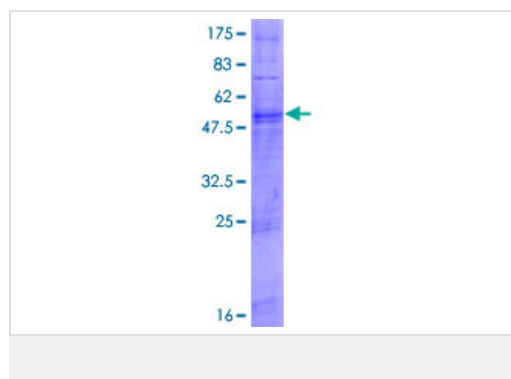
TAS2R9 belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to 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

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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"

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