

Datasheet for ABIN7544106

## TAS2R5 Protein (AA 1-299) (His tag)



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### Overview

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Quantity:                     | 1 mg                                          |
| Target:                       | TAS2R5                                        |
| Protein Characteristics:      | AA 1-299                                      |
| Origin:                       | Human                                         |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This TAS2R5 protein is labelled with His tag. |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Custom-made recombinant TAS2R5 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence:        | <p>MLSAGLGLLM LVAVVEFLIG LIGNGSLVWV SFREWIRKFN WSSYNLIILG LAGCRFLLQW</p> <p>LIILDLSLFP LFQSSRWLRY LSIFWVLVSQ ASLWFATFLS VFYCKKITTF DRPAYLWLKQ</p> <p>RAYNLSLWCL LGYFIINLLL TVQIGLTFYH PPQGNSSIRY PFESWQYLYA FQLNSGSYLP</p> <p>LVVFLVSSGM LIVSLYTHHK KMKVHSAGRR DVRAKAHITA LKSLGCFLLL HLVIYIMASPF</p> <p>SITSKTYPPD LTSVFIWETL MAAYP SLHSL ILIMGIPRVK QTCQKILWKT VCARRCWGP <b>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.</b></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

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- 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

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TAS2R5                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Name: | TAS2R5 ( <a href="#">TAS2R5 Products</a> )                                                                                                                                                                                                                                                                                                              |
| Background:       | Taste receptor type 2 member 5 (T2R5),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. |
| Molecular Weight: | 34.5 kDa                                                                                                                                                                                                                                                                                                                                                |
| UniProt:          | <a href="#">Q9NYW4</a>                                                                                                                                                                                                                                                                                                                                  |

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                        |