

Datasheet for ABIN7557503

## Taar4 Protein (AA 1-347) (His tag)



[Go to Product page](#)

### Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | Taar4                                        |
| Protein Characteristics:      | AA 1-347                                     |
| Origin:                       | Mouse                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This Taar4 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)        |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Custom-made recombinat Taar4 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence:        | <p>MNTPDPWSSP EVQFCFAAAN SSCPRKARPA LVVCAMYLIM IGAIVMTMLG NMAVIISIAH<br/>           FKQLHSPTNF LILSMATTDf LLSCVMPFf MIRSIESCWy FGDLfCKVHS CCDIMLCtTS<br/>           IFHLcfISVD RHYAVCDPLH YVTQITTRVv GVfLLISWsv PiffAfGLVf SELNLIGAED<br/>           FVAaIDCTGL CVLIFNKLWG VLASfIAffL PGTVMVGIYI HIFTVAQKHA RQIGTGPRtK<br/>           QALSESKMKA TSKKESKATK tLSIVMGVfV LCWLpFFVlt ITDPfIDfTT PEDLYNVfLW<br/>           LGYfNSTfNP IYGMfYPWF RKALRMIVTG TIFRSDSSTS SLHPAHP <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> |
| 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, Western Blot |
|---------|-----------------------------------------------------|

|        |             |
|--------|-------------|
| Grade: | custom-made |
|--------|-------------|

## Target Details

---

|         |       |
|---------|-------|
| Target: | Taar4 |
|---------|-------|

|                   |                                          |
|-------------------|------------------------------------------|
| Alternative Name: | Taar4 ( <a href="#">Taar4 Products</a> ) |
|-------------------|------------------------------------------|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Trace amine-associated receptor 4 (TaR-4) (Trace amine receptor 4) (mTaar4) (2-phenylethylamine receptor),FUNCTION: Olfactory receptor specific for 2-phenylethylamine, a trace amine present at high concentration in the urine of carnivore species, playing a key role in fear and avoidance responses. 2-phenylethylamine acts as a kairomone in the chemical detection of carnivore odor and triggers fear in mice. This receptor is probably mediated by the G(s)-class of G-proteins which activate adenylate cyclase. {ECO:0000269 PubMed:16878137, ECO:0000269 PubMed:21690383, ECO:0000269 PubMed:23624375}. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |          |
|-------------------|----------|
| Molecular Weight: | 38.9 kDa |
|-------------------|----------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q5QD15</a> |
|----------|------------------------|

## 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 |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Application Details

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