

Datasheet for ABIN7555695

## TAAR1 Protein (AA 1-339) (His tag)



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### Overview

Quantity:	1 mg
Target:	TAAR1
Protein Characteristics:	AA 1-339
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAAR1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant TAAR1 Protein expressed in mammalian cells.
Sequence:	<p>MMPFCHNIIN ISCVKNNWSN DVRASLYSLM VLIILTTLVG NLIVIVSISH FKQLHTPTNW  LIHSMATVDF LLGCLVMPYS MVRSAEHCWY FGEVFCIHT STDIMLSSAS IFHLSFISID  RYYAVCDPLR YKAKMNILVI CVMIFISWSV PAVFAFGMIF LELNFKGAEE IYKHVHCRG  GCSVFFSKIS GVLTFMTSFY IPGSIMLCVY YRIYLIAKEQ ARLISDANQK LQIGLEMKNG  ISQSKERKAV KTLGIVMGVF LICWCPPFFIC TVMDPFLHYI IPPTLNDVLI WFGYLNSTFN  PMVYAFFYPW FRKALKMMLF GKIFQKSSR CKLFLELSS</p> <p><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:	TAAR1
Alternative Name:	TAAR1 ( <a href="#">TAAR1 Products</a> )
Background:	<p>Trace amine-associated receptor 1 (TaR-1) (Trace amine receptor 1),FUNCTION: Receptor for trace amines, including beta-phenylethylamine (b-PEA), p-tyramine (p-TYR), octopamine and tryptamine, with highest affinity for b-PEA and p-TYR. Unresponsive to classical biogenic amines, such as epinephrine and histamine and only partially activated by dopamine and serotonin. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood. The signal transduced by this receptor is mediated by the G(s)-class of G-proteins which activate adenylate cyclase. {ECO:0000269 PubMed:15718104}.</p>
Molecular Weight:	39.1 kDa
UniProt:	<a href="#">Q96RJ0</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.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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