

Datasheet for ABIN7559807

**TMPRSS4 Protein (AA 1-435) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMPRSS4
Protein Characteristics:	AA 1-435
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMPRSS4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tmprss4 Protein expressed in mammalian cells.
Sequence:	MESDSGQPLN NRDIVPFRKP RRPQETFKKV GIPIIAVLLS LIALVIVALL IKVILDKYYF ICGSPLTFIQ RGQLCDGHLD CASGEDEEHC VKDFPEKPGV AVRLSKDRST LQVLDAATGT WASVCFDNFT EALAKTACRQ MGYDSQPAFR AVEIRPDQNL PVAQVTGNSQ ELQVQNGSRS CLSGSLVSLR CLDCGKSLKT PRVVGVEAP VDSWPWQVSI QYNKQHVC GG SILDPHWILT AAHCFRKYLD VSSWKVRAGS NILGNPSPLP VAKIFIAEPN PLYPKEKDIA LVKLQMP LTF SG SVR PICLP FSDEVLVPAT PVWVIGWGFT EENGKMSDM LLQASVQVID STRCNAEDAY EGEVTAEMLC AGTPQGKDT CQGDSGGPLM YHSDKWQVVG IVSWG HGCGG PSTPGVYTKV TAYLNWIYNV RKSEM <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>
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.

## Product Details

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### Characteristics:

#### Key Benefits:

- 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

TMPRSS4

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### Alternative Name:

Tmprss4 ([TMPRSS4 Products](#))

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### Background:

Transmembrane protease serine 4 (EC 3.4.21.-) (Channel-activating protease 4) (mCAP2) [Cleaved into: Transmembrane protease serine 4 catalytic chain],FUNCTION: Plasma membrane-anchored serine protease that directly induces processing of pro-uPA/PLAU into the active form through proteolytic activity (By similarity). Seems to be capable of activating ENaC (PubMed:12149280). {ECO:0000250|UniProtKB:Q9NRS4, ECO:0000269|PubMed:12149280}.

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### Molecular Weight:

47.5 kDa

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### UniProt:

[Q8VCA5](#)

## 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

## 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