

Datasheet for ABIN7544577

**TMPRSS13 Protein (AA 1-586) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMPRSS13
Protein Characteristics:	AA 1-586
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMPRSS13 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TMPRSS13 Protein expressed in mammalian cells.
Sequence:	MERDSHGNAS PARTPSAGAS PAQASPAGTP PGRASPAQAS PAQASPAGTP PGRASPAQAS PAGTPPGRAS PGRASPAQAS PAQASPARAS PALASLSRSS SGRSSSARSA SVTTSPTRVY LVRATPVGAV PIRSSPARSA PATRATRESP GTSLPKFTWR EGQKQLPLIG CVLLIALLV SLIILFQFWQ GHTGIRYKEQ RESCPKHAVR CDGVVDCKLK SDELGCVRFD WDKSLLKIYS GSSHQWLPIC SSNWNSYSE KTCQQLGFES AHRTTEVAHR DFANSFSILR YNSTIQESLH RSECPQRSYI SLQCSHGLR AMTGRIVGGA LASDSKWPWQ VSLHFGTTHI CGGTLIDAQW VLTAAHCFV TREKVLEGWK VYAGTSNLHQ LPEAASIAEI IINSNYTDEE DDYDIALMRL SKPLTSAHI HPACLPMHGQ TFSLNETCWI TGFGKTRETD DKTSPFLREV QVNLIIDFKKC NDYLVYDSYL TPRMMCAGDL RGGRDSCQGD SGGPLVCEQN NRWYLAGVTS WGTGCGQRNK PGVYTKVTEV LPWIYSKMEV RSLQQDTAPS RLGTS SGGDP GGAPRL <b>Sequence without tag.</b> <b>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</b>

## Product Details

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### **special request, please contact us.**

**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:**

- 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:** TMPRSS13

**Alternative Name:** [TMPRSS13 \(TMPRSS13 Products\)](#)

**Background:** Transmembrane protease serine 13 (EC 3.4.21.-) (Membrane-type mosaic serine protease) (Mosaic serine protease),FUNCTION: Serine protease (PubMed:20977675, PubMed:28710277, PubMed:34562451). Cleaves the proform of PRSS8/prostasin to form the active protein (PubMed:34562451). Cleaves the proform of HGF to form the active protein which promotes MAPK signaling (PubMed:20977675). Promotes the formation of the stratum corneum and subsequently the epidermal barrier in embryos (By similarity).  
{ECO:0000250|UniProtKB:Q5U405, ECO:0000269|PubMed:20977675, ECO:0000269|PubMed:28710277, ECO:0000269|PubMed:34562451}.

**Molecular Weight:** 63.2 kDa

## Target Details

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UniProt: [Q9BYE2](#)

## 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

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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