

Datasheet for ABIN7565006

**TMPRSS6 Protein (AA 1-811) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMPRSS6
Protein Characteristics:	AA 1-811
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMPRSS6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tmprss6 Protein expressed in mammalian cells.
Sequence:	<p>MPRCFQLPCS TRMPTTEVPQ AADGQGDAGD GEEAAEPEGK FKPPKNTKRK NRDYVRFTPL LLVLAALVSA GVMLWYFLGY KAEVTVSQVY SGSLRVLNRH FSQDLGRRES IAFRSESAKA QKMLQELVAS TRLGTYYNSS SVYSFGEGPL TCFFWFILDI PEYQRLTLSP EVVRELLVDE LLSNSSTLAS YKTEYEVDPE GLVILEASVN DIVVLNSTLG CYRYSYVNPQ QVLPLKGPDQ QTTSCWLHLQ GPEDLMIKVR LEWTRVDCRD RVAMYDAAGP LEKRLITSVY GCSRQEPVME VLASGSVMAS VWKKGMHSYY DPFLSVKSV AFQDCQVNLT LEGRDQTQGF LRTPYYPSYY SPSTHCSWHL TVPSLDYGLA LWFDAYALRR QKYNRLCTQG QWMIQNRRLC GFRTLQPYAE RIPMVASDGV TINFTSQISL TGPGVQVYYS LYNQSDPCPG EFLCSVNGLC VPACDGIKDC PNGLDERNVC CRAMFQCQED STCISLPRVC DRQPDCLNGS DEEQCQEGVP CGTFTFQCED RSCVKKPNPE CDGQSDCRDG SDEQHCDGCL QGLSSRIVGG TVSSEGEWPW QASLQIRGRH ICGGALIADR WVITAACHFQ EDSMASPKLW TVFLGKMRQN SRWPGEVSFK VSRLFLHPYH EEDSHDYDVA LLQLDHPVVY SATVRPVCLP ARSHFFEPGQ HCWITGWGAQ REGGPVSNTL</p>

## Product Details

QKVDVQLVPQ DLCSEAYRYQ VSPRMLCAGY RKGKKDACQG DSGGPLVCRE PSGRWFLAGL

VSWGLGCGRP NFFGVYTRVT RVINWIIQVL T **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.**

**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

**Target:** TMPRSS6

**Alternative Name:** Tmprss6 ([TMPRSS6 Products](#))

**Background:** Transmembrane protease serine 6 (EC 3.4.21.-) (Matriptase-2),FUNCTION: Membrane-bound serine protease (PubMed:18451267). Through the cleavage of cell surface HJV, a regulator of the expression of the iron absorption-regulating hormone hepcidin/HAMP, plays a role in iron homeostasis (PubMed:18451267). {ECO:0000269|PubMed:18451267}.

**Molecular Weight:** 91.0 kDa

## Target Details

UniProt:	<a href="#">Q9DBI0</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

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