

Datasheet for ABIN7555799

TMPRSS6 Protein (AA 1-811) (His tag)



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Overview

Quantity:	1 mg
Target:	TMPRSS6
Protein Characteristics:	AA 1-811
Origin:	Human
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>MLLLFHSKRM PVAEAPQVAG GQGDGGDGEE AEPEGMFKAC EDSKRKARGY LRLVPLFVLL</p> <p>ALLVLASAGV LLWYFLGYKA EVMVSQVYSG SLRVLNRHFS QDLTRRESSA FRSETAKAQK</p> <p>MLKELITSTR LGTYYNSSSV YSFGEGPLTC FFWFILQIPE HRRLMLSPEV VQALLVEELL</p> <p>STVNSSAAMP YRAEYVDPE GLVILEASVK DIAALNSTLG CYRYSYVGQG QVLRLKGPDPH</p> <p>LASSCLWHLQ GPKDLMLKLR LEWTLAECRD RLAMYDVAGP LEKRLITSVY GCSRQEPVVE</p> <p>VLASGAIMAV VWKKGLHSYY DPFVLSVQPV VFQACEVNLT LDNRDLSQGV LSTPYFPSYY</p> <p>SPQTHCSWHL TVPSLDYGLA LWFDAYALRR QKYDLPCTQG QWTIQNRRLC GLRILQPYAE</p> <p>RIPVVATAGI TINFTSQISL TGPGRVRYHYG LYNQSDPCPG EFLCSVNGLC VPACDGVKDC</p> <p>PNGLDERNVC CRATFQCKED STCISLPKVC DGQPDCLNGS DEEQCQEGVP CGTFTFQCED</p> <p>RSCVKKPNPQ CDGRPDCRDG SDEEHDCDGL QGPSSRIVGG AVSSEGEWPW QASLQVRGRH</p> <p>ICGGALIADR WVITAACHCFQ EDSMASTVLW TVFLGKVVQN SRWPGEVSFK VSRLLLHPYH</p> <p>EEDSHDYDVA LLQLDHPVVR SAAVRPVCLP ARSHFFEPGL HCWITGWGAL REGGPISNAL</p>

Product Details

QKVDVQLIPQ DLCSEVYRYQ VTPRMLCAGY RKGKKDACQG DSGGPLVCKA LSGRWFLAGL
VSWGGLGCGRP NYFGVYTRIT GVISWIQQVV 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:18976966, PubMed:20518742, PubMed:25156943, PubMed:25588876). 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:25156943, PubMed:18408718, PubMed:18976966).
{ECO:0000269|PubMed:18408718, ECO:0000269|PubMed:18976966,

Target Details

ECO:0000269|PubMed:20518742, ECO:0000269|PubMed:25156943,
ECO:0000269|PubMed:25588876, ECO:0000303|PubMed:25156943}.

Molecular Weight: 90.0 kDa

UniProt: [Q8IU80](#)

Pathways: [Transition Metal Ion Homeostasis](#)

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