

Datasheet for ABIN7559483
TMPRSS3 Protein (AA 1-453) (His tag)



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Overview

Quantity:	1 mg
Target:	TMPRSS3
Protein Characteristics:	AA 1-453
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMPRSS3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Tmprss3 Protein expressed in mammalien cells.
Sequence:	MGENDPPAAE APFSFRSLFG LDDLKISPVA PDGDAVAAQI LSELLPLKFFP IIVIGIILI LALAIGLGIH FDCSGKYRCH SSFKCIELTA RCDGVSDCKN AEDEYRCVRV SGQRAALQVF TAAAWRTMCS DDWKSHYAKI ACAQLGFPSY VSSDHLRVDA LEEQFQGDFV SINHLLSDDK VTALHHSVYM REGCTSGHVV TLKCSACGTR TGYSRIVGG NMSSLTQWPW QVSLQFQGYH LCGGSIITPL WIVTAAHCYV DLYHPKSWTV QVGLVSLMDS PVPSHLVEKI IYHSKYKPKR LGNDIALMKL SEPLTFDETI QPICLPNSEE NFPDGKLCWT SGWGATEDGG DASPVLNHAA VPLISNKICN HRDVYGGIIS PSMLCAGYLK GGVDSCQGDS GGPLVCQERR LWKLVGATSF GIGCAEVNKP GVYTRITSFL DWIHEQLERD LKT 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.
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	TMPRSS3
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Alternative Name:	Tmprss3 (TMPRSS3 Products)
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Background:	Transmembrane protease serine 3 (EC 3.4.21.-),FUNCTION: Probable serine protease that plays a role in hearing. Acts as a permissive factor for cochlear hair cell survival and activation at the onset of hearing and is required for saccular hair cell survival. Activates ENaC (in vitro). {ECO:0000269 PubMed:12393794, ECO:0000269 PubMed:21454591}.
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Molecular Weight:	49.5 kDa
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UniProt:	Q8K1T0
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Pathways:	Sensory Perception of Sound
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

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