

Datasheet for ABIN7544658

TMPRSS3 Protein (AA 1-454) (His tag)[Go to Product page](#)

Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | TMPRSS3 |
| Protein Characteristics: | AA 1-454 |
| Origin: | Human |
| 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

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|------------------|--|
| Purpose: | Custom-made recombinat TMPRSS3 Protein expressed in mammalian cells. |
| Sequence: | MGENDPPAVE APFSFRSLFG LDDLKISPVA PDADAVAAQI LLLPLKFFP IIVIGIALI LALAIGLGIH FDCSGKYRCR SSFKCIELIA RCDGVSDCKD GEDEYRCVRV GGQNAVLQVF TAASWKTMCS DDWKGHYANV ACAQLGFPSY VSSDNLRVSS LEGQFREEFV SIDHLLPDDK VTALHHSVYV REGCASGHVW TLQCTACGHR RGYSSRIVGG NMSLLSQWPW QASLQFQGYH LCGGSVITPL WIITAAHCYV DLYLPKSWTI QVGLVSLLDN PAPSHLVEKI VYHSKYKPKR LGNDIALMKL AGPLTFNEMI QPVCLPNSEE NFPDGKVCWT SGWGATEDGA GDASPVLNHA AVPLISNKIC NHRDVYGGII SPSMLCAGYL TGGVDSCQGD SGGPLVCQER RLWKLVGATS FGIGCAEVNK PGVYTRVTSF LDWIHEQMER DLKT 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

Grade: custom-made

Target Details

Target: TMPRSS3

Alternative Name: TMPRSS3 ([TMPRSS3 Products](#))

Background: Transmembrane protease serine 3 (EC 3.4.21.-) (Serine protease TADG-12) (Tumor-associated differentially-expressed gene 12 protein),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 (By similarity). Activates ENaC (in vitro). {ECO:0000250, ECO:0000269|PubMed:12393794}.

Molecular Weight: 49.4 kDa

UniProt: [P57727](#)

Pathways: [Sensory Perception of Sound](#)

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.

Application Details

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