

Datasheet for ABIN7563507

## TMPRSS9 Protein (AA 1-1065) (His tag)



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### Overview

Quantity:	1 mg
Target:	TMPRSS9
Protein Characteristics:	AA 1-1065
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMPRSS9 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Tmprss9 Protein expressed in mammalian cells.
Sequence:	<p>MEPTAPDLQL VPEVTKAVSV SAPDPGPCRT AVIAVVGISM AIVTLGVLSA FFSAQGAHVE</p> <p>HIAELHGIRF TSSLQQENSD FYRLLTHALQ TLLHFLLRAL QPLSLKQEAD ILQKGIQARL</p> <p>QEQGLSLAAY GTIVSVELTG RCEGPVTERD LKSGHCPCNV FSCQNGQCVS KENPECDDRV</p> <p>DCSDESDEAQ CDCGWQPAWR SAGRIVGGVE AAPGEFPWQV SLRENHEHFC GATIIGARWL</p> <p>VSAAHCFNEF QDPAQWAAQA GSVHLSGSEA SAVRTRVLRI AKHPAYDADT ADFDVAVLEL</p> <p>ARPLPFGRYV QPACLPAAATH VFPPGKKCLI SGWGYLKEDF LVKPEVLQKA TVELLDQSLC</p> <p>SSLYGHSLTD RMVCAGYLDG KVDSCQGDGSG GPLVCEEPSG RFFLAGIVSW GIGCAEARRP</p> <p>GVYTRVTRLR DWILEVTSAA DMPVVPTATP APATPSTPWP TSPESWAPNT FAKPTAAPSP</p> <p>VPLHPSTTAK PQECGARPAM DKPTRIVGGI SAVSGEVPWQ ASLKEGPRHF CGATVVGDRW</p> <p>LLSAAHCFNH TKVEVQQAHL GTVSLLGVGG SPVKLGLRRV ALHPRYNPGI LDFDVALLEL</p> <p>AQPLVFNKYI QPVCLPLAIH KFPVGRKCM I SGWGNMQEGN ATKPDILQKA SVGIIEQKMC</p> <p>GALYNFSLTD RMLCAGFLEG RVDSCQGDGSG GPLACEETPG VFYLAGIVSW GIGCAQAKKP</p>

## Product Details

GVYARITRLK DWILKAMSSD PSSMARPHTS STRLIPSEPP KTTAAGLIIP EATTSLRATP  
RATIRVTTRP LNTTLSARST TTRGQTAAPS APGTTIHS HL PDCGLAPPGA LTRIVGGSAA  
SLGEWPWQVS LWLRRREHRC GAVLVAERWL LSAAHCFDIY GDPMQWAAFL GTPFLSSTEG  
QLERVARIYR HPFYNIYTL D YDVALLELAG PVRRSRLVRP ICLPGPARPP DGARCVITGW  
GSLREGGSMA RQLQKAAVRV LSEQTCRRFY PVQISSRMLC AGFPQGGVDS CSGDAGGPLA  
CREPSGQWVL TGVTSWGYGC GRPHFPGVYT RVAAVLGWIG QNIQE **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	TMPRSS9
Alternative Name:	Tmprss9 ( <a href="#">TMPRSS9 Products</a> )
Background:	Transmembrane protease serine 9 (EC 3.4.21.-) (Polyserase-I) (Polyserine protease 1) (Polyserase-1) [Cleaved into: Serase-1, Serase-2, Serase-3],FUNCTION: Serase-1 and serase-2

## Target Details

are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed (By similarity). {ECO:0000250}.

Molecular Weight: 114.5 kDa

UniProt: [P69525](#)

## 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