

Datasheet for ABIN7556236

## MTL5 Protein (AA 1-475) (His tag)



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### Overview

Quantity:	1 mg
Target:	MTL5
Protein Characteristics:	AA 1-475
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTL5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinant Tesmin Protein expressed in mammalian cells.
Sequence:	<p>MEDALLGAMT GPEDELGAEL FGSEVFADG LALSPAGGAA DRDELPVLAD AYLGATEPGE            PLLRALSPPP GAEVPAALLG DFPGLPELRS PDAAAPPPAY SVHVLSSLLP GARGPALLPL            SAGVRVIPVE IKEAGGSVPG GSPEDAAFQA PLAQESCCKF PSSQEAEAS SCPRKKDSSP            MVICQLKGGA QMLCIDNCGA RELKALHLLP QYDDQSSFPQ SELPKPMTTL VGRLLPVPK            LNLITQVDNG ALPSAVNGAA FPSGPALQGP PKITLSGYCD CFSSGDFCNS CSCNNLRHEL            ERFKAIAKACL DRNPEAFQPK MGKGRLLGAAK LRHSGKCNCK RSGCLKNYCE CYEAKIMCSS            ICKCIACKNY EESPERKMLM STPHYMEPGD FESSHYLSPA KFSGPPKLRK NRQAFSCISW            EVVEATCACL LAQGEEAEQE HCSPSLAEQM ILEEFGRCLS QILHIEFKSK GLKIE <b>Sequence</b>  <b>without tag. The proposed Purification-Tag is based on experiences with the expression</b>  <b>system, a different complexity of the protein could make another tag necessary. In case you</b>  <b>have a special request, please contact us.</b></p>

## Product Details

Characteristics:	<div>Key Benefits:</div> <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>
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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:	MTL5
Alternative Name:	Tesmin ( <a href="#">MTL5 Products</a> )
Background:	Tesmin (Metallothionein-like 5, testis-specific) (Testis-specific metallothionein-like protein),FUNCTION: Essential for normal spermatogenesis and male fertility (PubMed:31916570). Required for the completion of meiosis in male germ cells (PubMed:31916570). {ECO:0000269 PubMed:31916570}.
Molecular Weight:	50.6 kDa
UniProt:	<a href="#">Q9WTJ6</a>

## 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