

Datasheet for ABIN7565116  
**MMEL1 Protein (AA 1-765) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MMEL1
Protein Characteristics:	AA 1-765
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMEL1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Mmel1 Protein expressed in mammalian cells.
Sequence:	MVERAGWCRK KSPGFVEYGL MVLLLLLLGA IVTLGVFYSI GKQLPLLTSL LHFSWDERTV VKRALRDSSL KSDICTTPSC VIAAARILEN MDQSRNPCEN FYQYACGGWL RHHVIPETNS RYSVFDILRD ELEVILKGVLE EDSTSQHRPA VEKAKTLYRS CMNQSVIEKR DSEPLLSVLK MVGGWVPVAMD KWNEMTGLKW ELERQLAVLN SQFNRRVLID LFIWNDDQNS SRHVIIYDQP TLGMPSREYY FQEDNNHKVR KAYLEFMTSV ATMLRKDQNL SKESAMVREE MAEVLELETH LANATVPQEK RHDVTALYHR MDLMELQERF GLKGFNWTLF IQNVLSSVEV ELFPDEEVVV YGIPYLENLE DIIDSYSART MQNYLVWRLV LDRIGSLSQR FKEARVDYRK ALYGTTVEEV RWRECVSYVN SNMESAVGSL YIKRAFSKDS KSTVRELIEK IRVSFVDNLD ELNWMDEESK KKAQEKAMNI REQIGYPDYI LEDNNKHLDE EYSSLTFYED LYFENGLQNL KNNAQRSLKK LREKVDQNLW IIGAAVNAF YSPNRNQIVF PAGILQPPFF SKDQPQSLNF GGIGMVIGHE ITHGFDDNGR NFDKNGNMLD WWSNFSARHF QQQSQCMIQ YGNFSWELAD NQNVNGFSTL GENIADNGGV RQAYKAYLRW LADGGKDQRL PGLNLTYAQL FFINYAQVWC GSYRPEFAVQ

## Product Details

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SIKTDVHSPL KYRVLGSLQN LPGFSEAFHC PRGSPMHPMK RCRIW **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

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**Target:** MMEL1

**Alternative Name:** Mmel1 ([MMEL1 Products](#))

**Background:** Membrane metallo-endopeptidase-like 1 (EC 3.4.24.11) (NEP2(m)) (Neprilysin II) (NEPII) (Neprilysin-2) (NEP2) (NL2) (Neprilysin-like 1) (NL-1) (Neprilysin-like peptidase) (NEPLP) (Soluble secreted endopeptidase) [Cleaved into: Membrane metallo-endopeptidase-like 1, soluble form (Neprilysin-2 secreted) (NEP2(s))],FUNCTION: Metalloprotease involved in sperm function, possibly by modulating the processes of fertilization and early embryonic development. Degrades a broad variety of small peptides with a preference for peptides shorter than 3 kDa containing neutral bulky aliphatic or aromatic amino acid residues. Shares the same

## Target Details

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substrate specificity with MME and cleaves peptides at the same amide bond.  
{ECO:0000269|PubMed:10542292, ECO:0000269|PubMed:11278416}.

Molecular Weight: 88.7 kDa

UniProt: [Q9JLI3](#)

## Application Details

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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

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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