

Datasheet for ABIN7554565

## MMEL1 Protein (AA 1-779) (His tag)



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### Overview

Quantity:	1 mg
Target:	MMEL1
Protein Characteristics:	AA 1-779
Origin:	Human
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:	<p>MGKSEGPVGM VESAGRAGQK RPGFLEGGLL LLLLLVTAAL VALGVLYADR RGKQLPRLAS</p> <p>RLCFLQEERT FVKRKPRGIP EAQEVSEVCT TPGCVIAAAR ILQNMDPTTE PCDDFYQFAC</p> <p>GGWLRRHVIP ETNSRYSIFD VLRDELEVIL KAVLENSTAK DRPAVEKART LYRSCMNQSV</p> <p>IEKRGSQLLL DILEVVGWGP VAMDRWNETV GLEWELERQL ALMNSQFNRR VLIDLFIWND</p> <p>DQNSSRHHY IDQPTLGMPs REYYFNGGSN RKVREAYLQF MVSATLLRE DANLPRDSCL</p> <p>VQEDMVQVLE LETQLAKATV PQEERHDVIA LYHRMGLEEL QSQFGLKGFN WTLFIQTVLS</p> <p>SVKIKLLPDE EVVVGIPYL QNLENIIDTY SARTIQNYLV WRLVLDRIGS LSQRFKDRV</p> <p>NYRKALFGTM VEEVRWRECV GYVNSNMENA VGSLYVREAF PGDSKSMVRE LIDKVRTVFV</p> <p>ETLDELGWMD EESKKKAQEK AMSIREQIGH PDYILEEMNR RLDEEYSNLN FSEDLYFENS</p> <p>LQNLKVGAGR SLRKLREKVD PNLWIIGAAV VNAFYSPNRN QIVFPAGILQ PPFFSKEQPQ</p> <p>ALNFGGIGMV IGHEITHGFD DNGRNFCKNG NMMDWWSNFS TQHFREQSEC MIYQYGNYSW</p> <p>DLADEQNVNG FNTLGENIAD NGGVRQAYKA YLKWMAEGGK DQQLPGLDLT HEQLFFINYA</p>

## Product Details

QVWCGSYRPE FAIQSIKTDV HSPLKYRVLG SLQNLAADFAD TFHCARGTPM HPKERCRVW

**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

**Target:** MMEL1

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

**Background:** Membrane metallo-endopeptidase-like 1 (EC 3.4.24.11) (Membrane metallo-endopeptidase-like 2) (NEP2(m)) (Neprilysin II) (NEPII) (Neprilysin-2) (NEP2) (NL2) [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 substrate specificity with MME and cleaves peptides at

### Target Details

	the same amide bond (By similarity). {ECO:0000250}.
Molecular Weight:	89.4 kDa
UniProt:	<a href="#">Q495T6</a>

### 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