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MMEL1 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20146a

Specification

MMEL1 Blocking Peptide (N-term) - Product Information

Primary Accession	Q495T6
Other Accession	NP_258428.2

MMEL1 Blocking Peptide (N-term) - Additional Information

Gene ID 79258

Other Names
Membrane metallo-endopeptidase-like 1, Membrane metallo-endopeptidase-like 2, NEP2(m), Neprilysin II, NEPII, Neprilysin-2, NEP2, NL2, Membrane metallo-endopeptidase-like 1, soluble form, Neprilysin-2 secreted, NEP2(s), MMEL1, MELL1, MMEL2, NEP2

Target/Specificity
The synthetic peptide sequence is selected from aa 65-78 of HUMAN MMEL1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MMEL1 Blocking Peptide (N-term) - Protein Information

Name MMEL1

Synonyms MELL1, MMEL2, NEP2

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 the same amide bond (By similarity).

Cellular Location
Membrane; Single-pass type II membrane protein. Secreted. Note=A secreted form produced by proteolytic cleavage also exists.

Tissue Location
Predominantly expressed in testis. Weakly expressed in brain, kidney and heart.

MMEL1 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

MMEL1 Blocking Peptide (N-term) - Images

MMEL1 Blocking Peptide (N-term) - Background

The protein encoded by this gene is a member of the neutral endopeptidase (NEP) or membrane metallo-endopeptidase (MME) family. Family members play important roles in pain perception, arterial pressure regulation, phosphate metabolism and homeostasis. This protein is a type II transmembrane protein and is thought to be expressed as a secreted protein. This gene is expressed mainly in testis with weak expression in the brain, kidney, and heart.

MMEL1 Blocking Peptide (N-term) - References

van der Helm-van Mil, A.H., et al. Ann. Rheum. Dis. 69(9):1694-1696(2010)
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