

Product datasheet for **MC221441**

Mmel1 (NM_013783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmel1 (NM_013783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmel1
Synonyms:	Mell1; NEP2; NEPII; NI1; SEP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221441 representing NM_013783
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGAGAGAGCAGGCTGGTGTGCGAAGAAGTCCCCAGGCTTCGTGGAGTATGGGCTGATGGTGTCTGC
 TGCTGCTGCTGTTGCTGGGAGCCATAGTGACTCTGGGTGCTTCTACAGCATAGGGAAGCAGCTGCCCT
 CTTAACTAGCCTGCTACACTTCTCTGGGATGAGAGGACGGTTGTAACAGGACCCCTCAGGGATTATCA
 CTGAAAAGTGACATCTGCACCACCCCAAGCTGTGTGATAGCAGCTGCCAGAATCTCGAAAAATGGACC
 AATCGAGGAACCCCTGTGAAAATTCTACCAGTACGCTTTCGGGAGGCTGGCTGAGGCACCACGTGATCCC
 AGAGACCAACTCCAGATACAGCGTCTTTGACATCCTTCGGGACGAGCTGGAGTTATCCTCAAAGGGGTG
 CTGGAGGATTCCACTTCCAGCATCGCCCGCCGTGGAGAAGCCAAGACTATATCGCTCCTGCATGA
 ACCAAAGTGTGATCGAGAAGAGAGACTCTGAGCCCTGCTGAGCGTCTTAAAAATGGTAGGAGTTGGCC
 TGTGGCCATGGATAAGTGAACGAGACCATGGGCCTCAAGTGGGAAGTGGAGCGACAGTTGGCTGTGTTG
 AACTCGCAGTTCAACAGGCGGGTCTCATCGACCTCTTCATCTGGAATGACGACCAGAATCCAGCCGGC
 ATGTCATCTACATAGACCAGCCACCTTGGGCATGCCATCCCGGGAGTACTATTTCCAGGAGGACAA
 CCACAAGGTACGGAAAGCCTACCTGGAGTTCATGACGTCAGTGGCCACTATGCTTAGGAAAGACCAGA
 ACCTGTCCAAGGAGAGCGCCATGGTGCAGGAGGAGATGGCGGAGGTGCTGGAAGTGGAGACGCATCTGG
 CCAACGCCACAGTCCCCCAGGAGAAAAGGCATGATGTCAGTCCCTGTACCACCGAATGGACCTGATGGAG
 CTACAGGAAAGGTTTGGTCTGAAGGGGTTAACTGGACTCTTTCATACAAAACGTGTTGTCTTCTGTGAA
 TGTCGAGCTGTTCCAGATGAGGAGGTGGTGGTCTACGGCATCCCCTACCTGGAGAATCTGGAGGATATCA
 TTGATAGCTACTCAGCAGGACCATGCAGAACTACCTGGTATGGCGCCTGGTGTAGATCGAATTTGGCAG
 CCTGAGCCAGAGATTCAAGAGGGCGCTGTGGACTACCGCAAGGCGCTGTACGGCACGACCGTGGAGGAG
 GTACGCTGGCGAGAGTGTGTCAGCTATGTCAACAGTAACATGGAGAGCGCCGTGGCTCCCTCTACATCA
 AGCGGGCCTTCTCCAAGGACAGCAAGAGCAGGTCAGAGAGCTGATTGAGAAGATAAGTCCGTGTTTGT
 GGATAACCTGGATGAGCTGAACTGGATGGACGAGGAATCCAAGAAGAAGGCCCAGGAAAAGGCCATGAAT
 ATACGGGAACAGATTGGCTACCTGACTACATTTTGAAGATAACAATAAACACCTGGATGAGGAATACT
 CCAGTTTGACTTTCTATGAGGACCTGTATTTTGAAGACGACTTCAGAACCTCAAGAACAATGCCCAGAG
 GAGCCTCAAGAAGCTTCGGGAAAAGGTGGACCAGAATCTCTGGATCATCGGGCTGCAGTGGTCAATGCA
 TTCTACTCCCAACAGAAACCAGATCGTCTTTCCAGCAGGGATTCTCCAGCCGCCCTTCTCAGCAAGG
 ACCAACCCACAGTCTTGAATTTTGGGGCATCGGGATGGTATTGGGCACGAGATCACACACGGCTTTGA
 TGATAATGGTCGTAACCTTGACAAGAACGGCAACATGCTGGACTGGTGGAGTAACCTCTCGGCCCGGCAC
 TTCCAACAGCAGTCGCAATGCATGATCTATCAGTACGGCAACTTCTCTTGGGAACTAGCAGACAACCAGA
 ATGTGAACGGATTAGTACCTCGGGGAGAACATTGCCGACAACGGAGGTGTGCGACAGGCATACAAGGC
 TTACCTACGGTGGCTGGCTGATGGCGGCAAGATCAGCGACTGCCGGGACTGAACCTGACCTATGCCAG
 CTTTTCTCATCAACTATGCCAGGTGTGGTGTGGTCTATAGGCCGGAGTTCGCCGTCAGTCCATCA
 AGACGGACGTCCACAGTCTCTTAAGTACAGGGTGTGGGCTCACTACAGAACCTGCCAGGCTTCTCTGA
 GGCATTCCACTGCCACGAGGCAGCCCCATGCACCCCATGAAGCGATGTGCGATCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013783
Insert Size: 2301 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_013783.2 , NP_038811.2
RefSeq Size:	2948 bp
RefSeq ORF:	2301 bp
Locus ID:	27390
UniProt ID:	Q9JLI3
Cytogenetics:	4 E2
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]