

## Product datasheet for **SC123914**

### **MMEL1 (NM\_033467) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MMEL1 (NM_033467) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMEL1
Synonyms:	MMEL2; NEP2; NEPII; NL1; NL2; SEP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_033467, the custom clone sequence may differ by one or more nucleotides

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ATGGGGAAGTCCGAAGGCCAGTGGGGATGGTGGAGAGCGCCGGCCGTGCAGGGCAGAAGCGCCCGGGT
TCCTGGAGGGGGGCTGCTGCTGCTGCTGGTGACCGCTGCCCTGGTGGCCTTGGGTGTCCTCTA
CGCCGACCGCAGAGGGAAGCAGCTGCCACGCCCTTGCTAGCCGGCTGTGCTTCTTACAGGAGGAGAGGACC
TTTGTA AACGAAAACCCGAGGGATCCAGAGGCCAAGAGGTGAGCGAGGTCTGCACCACCCCTGGCT
CGTGATAGCAGCTGCCAGGATCCTCCAGAACATGGACCCGACCACGGAACCGTGTGACGACTTCTACCA
GTTTGATGCGGAGGCTGGCTGCGGCGCCACGTGATCCCTGAGACCAACTCAAGATACAGCATCTTTGAC
GTCCTCCGCGACGAGCTGGAGGTCATCCTCAAAGCGGTGCTGGAGAATTCGACTGCCAAGGACCGGCCGG
CTGTGGAGAAGGCCAGGACGCTGTACCGCTCCTGCATGAACCAGAGTGTGATAGAGAAGCGAGGCTCTCA
GCCCTGCTGGACATCTGGAGGTGGTGGGAGGCTGGCCGGTGGCGATGGACAGGTGGAACGAGACCGTA
GGA CTGAGTGGGAGCTGGAGCGGCAGCTGGCGCTGATGAACTCACAGTTC AACAGGCGCGTCTCATCG
ACCTCTTCATCTGGAACGACGACCAGA ACTCCAGCCGGCACATCATCTACATAGACCAGCCACCTTGGG
CATGCCCTCCCGAGAGTACTACTTCAACGGCGGCAGCAACCGGAAGGTGCGGGAAGCCTACTGCAGTTC
ATGGTGTCA GTGGCCACGTTGCTGCGGGAGGATGCAAACCTGCCAGGGACAGCTGCCTGGTGCAGGAGG
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TGGACTCTGTTACATAAACTGTGCTATCCTCTGTCAAATCAAGCTGTGCCAGATGAGGAAGTGGTGG
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AACTACC GCAAGGCGCTGTTTGGCACAATGGTGGAGGAGGTGCGCTGGCGTGAATGTGTGGGCTACGTCA
ACAGCAACATGGAGAACGCCGTGGGCTCCCTCTACGTACAGGAGGCGTTCCTGGAGACAGCAAGAGCAT
GGTCAGAGAACTCATTGACAAGGTGCGGACAGTGTGGTGGAGACGCTGGACGAGCTGGGCTGGATGGAC
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CCAAATCTCTGGATCATCGGGCGGCGGTGGTCAATGCGTTCTACTCCCCAAACCGAAACCAGATTGTAT
TCCCTGCCGGATCCTCCAGCCCCCTTCTCAGCAAGGAGCAGCCACAGGCCTTGA ACTTTGGAGGCAT
TGGGATGGTGTGATCGGGCACGAGATCACGCACGGCTTTGACGACAATGGCCGGA ACTTCGACAAGAATGGC
AACATGATGGATTGGTGGAGTAACTTCTCCACCCAGCACTTCCGGGAGCAGT CAGAGTGCATGATCTACC
AGTACGGCAACTACTCCTGGGACCTGGCAGACGAACAGAACGTGAACGGATTCAACACCCCTTGGGAAAA
CATTGCTGACAACGGAGGGGTGCGGCAAGCCTATAAGGCCTACCTCAAGTGGATGGCAGAGGGTGGCAAG
GACCAGCAGCTGCCCGCCTGGATCTCACCCATGAGCAGCTCTTCTTCATCAACTATGCCAGGTGTGGT
GCGGGTCTACCGGCCGAGTTCGCCATCCAATCCATCAAGACAGACGTCCACAGTCCCCTGAAGTACAG
GGTACTGGGGTCGCTGCAGAACCTGGCCGCTTCGCAGACAGTTCCTACTGTGCCGGGGCACCCCATG
CACCCAAAGGAGCGATGCCGCGTGTGGTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033467 unedited</p> <pre>TACGCAGACTATTTGGCGGCAGCGAATCCGGCACGAGCAACTCAGCCCCAAGCCACTGCT CTCCCATCCCAGTTTCTGGAAATCCACCCACTTGGCCCAGCTCACCCCAACTCCAACCCA CTGGGACCCAGTCTCCAGGGGCTGACTGTGGGCGGCAGCCACTCCTGAGTGAGCAAAGG TTCCTCCGCGGTGCTCTCCCGTCCAGAGCCCTGCTGATGGGAAGTCCGAAGCCCCGTG GGGATGGTGGAGAGCGCTGGCCGTGCAGGGCAGAAGCGCCCGGGTTCTGGAGGGGGG CTGCTGCTGCTGCTGCTGGTGACCGCTGCCCTGGTGGCCTTGGGTGTCCTCTACGCC GACCGCAGAGGGAAGCAGCTGCCACGCCTTGCTAGCCGGCTGTGCTTCTTACAGGAGGAG AGGACCTTTGTA AACGAAAACCCCGAGGGATCCAGAGGCCAAGAGGTGAGCGAGGTC TGCACCACCCTGGCTGCGTGATAGCAGCTGCCAGGATCTCCAGAACATGGACCCGACC ACGGAACCGTGTGACGACTTCTACCAGTTTGCATGCGGAGGCTGGCTGCGGCGCCACGTG ATCCCTGAGACCAACTCAAGATACAGCATCTTTGACGTCTCCGCGACGAGCTGGAGGTC ATCCTCAAAGCGGTGCTGGAGAATTCGACTGCCAAGGACCGCCGGCTGTGGN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_033467 unedited</p> <pre>NGGGGTCTTGACTTTACTTANCCAGTCTGGAAGTGTAGNAACTGGCAAAACAATGCACC TTGGNAGGTGGGCAGGACACAGTTGATTGTCTCTACAGAGCTGTGACGGGGGCACTGAGC CCCGCGGGTGTCTGTGGAGGGGGCTCCGGTCCAGTACTGCACTGGACACTGCTCATCCC TGGGTGTGAGGCAGGTGGCTGCACCCTAGGCCAGGCGCAGAGGCCTGGCAGGCAGGCTTG GCATGGTTGGCCGGGGCGGGACGTACACTGGGTCGCCGCTAGCTGCACCTTCGCACAGAT GCCTCCGAGCAGCAGGTGGGCGTGGGCCGCACAGCGCGGACGGCCTTGCTACACACG CGGCATCGCTCCTTGGGGTGCATGGGGGTGCCCCGGGCACAGTGAACGTGTCTGCGAAG GCGGCCAGGTTTGCAGCGACCCAGTACCCTGTACTTACAGGGGACTGTGGACGTCTGTC TTGATGGATTGGATGGCGAACTCGGGCCGGTAGGACCCGCACCACACTGGGCATAGTTG ATGAAGAAGAGCTGCTCATGGGTGAGATCCAGGCCGGGCAGCTGTGGTCTTGCCACCC TCTGCCATCCACTTGAGGTAGGCCTTATAGGCTTGCCGCACCCCTCCGTTGTGAGCAATG TTTTCCCCAAGGGTGTGAATCCGTTACAGTCTGTTCTGTTGCTGCCAGGTCCCAGGAGTAG TTGCCGTACTGGTAGATCATGCACTCTGACTGCTCCCGAAGTGTGGGTGGAGAAGTTA CTCCACCAATCCATCATGTTGCCATTCTGTGCGAAGTTCGGGCCATTGTGCTCAAAGCCG TGCGTGATCTCGTGCCCGATCACCATCCCAATGCCTCA</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033467
<b>Insert Size:</b>	3200 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>

RefSeq: [NM\\_033467.2](#), [NP\\_258428.1](#)

RefSeq Size: 2902 bp

RefSeq ORF: 2313 bp

Locus ID: 79258

UniProt ID: [Q495T6](#)

Cytogenetics: 1p36.32

Protein Families: Druggable Genome, Protease, Secreted Protein, Transmembrane

Gene Summary: 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. [provided by RefSeq, Jul 2008]