

Product datasheet for **MC228849**

Mme (NM_001289462) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mme (NM_001289462) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mme
Synonyms:	6030454K05Rik; C85356; CALLA; CD10; NEP; SFE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228849 representing NM_001289462
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGATCAGAAAGTCAGATGGATATAACTGATATCAATGCTCCAAAGCCAAAGAAGAAACAGCGAT
 GGACTCCCTGGAGATCAGCCTCTCTGTGCTTGTCTTGCTCCTGACTATCATAGCCGGTGACAATGATCGC
 TCTCTATGCAACCTATGATGATGGCATTGCAAAATCATCAGACTGCATAAAATCAGCTGCTCGACTGATT
 CAGAATATGGATGCCTCTGTTGAGCCATGTACAGACTTCTTCAAGTATGCTTGTGGAGGCTGGTTGAAAC
 GCAACGTCATTCCCGAGACCAGTCCCGATACAGTAATTTTACATTTTAAAGAGATGAGCTAGAAGTCAT
 TTTGAAAGATGTCCTTCAAGAACCACAAACTGAAGACATAGTAGCAGTGCAGAAAGCAAAAACCTTGTAC
 AGATCGTGATAAATGAGTCTGCTATTGATAGCAGAGGCGGACAACCTCTACTCAAAGTGTACCAGATA
 TATATGGTGGCCAGTAGCATCAGATAACTGGGATCAAACATATGGCACTTCTTGGACAGCTGAGAAATC
 CATTGCACAAGTGAATTTAAATATGGGAAAAAGTCTCATTAAATTTTTTTGTTGGCAGCTGATGATAAG
 AATTCTACCCAGCATATAATTCATTTTACCAGCCTCGACTTGGCCTCCCTCCAGAGACTACTATGAGT
 GCACTGGAATATATAAGAGGCTTGACAGCATATGTGGATTTTATGATTCTGTGGCCAGACTGATTCCG
 TCAGGAACAAAGTTTGCCTATTGATGAAAACAGCTCTCTTTGAAAATGAATAAAGTTATGGAATTGGAA
 AAAGAAATGGCAATGCTACAACAAACAGAGACCGAAATGACCCAATGCTGCTTTATAACAAAATGA
 CATTGGCCAAGCTGCAGAAACATTTCCCTGGAGGTCAATGGGAAGTCATTAGCTGGTCAAATTTAC
 AAATGAAATCATGTCAACTGTGAATATTAATATCAAAATGAGGAAGAAGTTGTTGTCTATGCTCCAGAA
 TATTTAACCAAATTAAGCCTATTCTTACCAAATTTCTCCAGAGATCTTCAAATTTAATGTCCTGGA
 GGTTCATATGGATCTTGTAAAGCAGCCTCAGCCGAAACTACAAGGAGTCCAGAAATGCTTCCGCAAGGC
 CCTTTATGGGACTACATCAGAAACTGCAACATGGAGACGGTGTGCTAACTACGTCATGGGAATATGGAG
 AATGCTGTGGGAGGCTTTATGTGGAAGCGCTTTTGGTGGAGAGCAAGCACGTGGTTGAAGACTTGA
 TTGCACAAATCCGGGAAGTTTTTATTAGACTTTGGATGACCTTACTTGGATGGATGCTGAGACAAAAAA
 GAAAGCTGAAGAAAAGGCTTGGCAATTAAGAAAGGATTGGCTATCCTGATGACATCATTTCCAATGAG
 AACAACTGAATAATGAGTATCTTGAGTTGAACTACAGGGAAGATGAATACTTTGAGAACATAATTCAAA
 ATTTGAAATTCAGCCAAAGCAAGCAGCTAAAGAAGCTCCGAGAAAAAGTGGACAAAGATGAGTGGATAAG
 TGGAGCAGCTGTAGTCAATGCATTTTATCCTCAGGCCGAAATCAGATAGTCTTCCCGCTGGCATTTTG
 CAGCCCCATTCTCAGTGTCTCAGCAATCCAATCATTGAACTATGGGGCATCGGCATGGTCATTGGAC
 ATGAAATCACACATGGATTTGATGACAATGGAAGAAATTTCAATAAAGATGGAGACCTCGTTGACTGGT
 GACGCAGCAGTCCGCAAATAATTTAAAGACCAATCCCAGTGTATGGTATACCAGTATGGAACTTTTCC
 TGGGACCTAGCAGGTGGACAGCATCTCAATGGAATTAATACACTAGGAGAAAAACATTGCTGATAATGGAG
 GTATTGGCCAAGCATACAGAGCCTATCAGAATTATGTTAAAAAGAATGGTGAAGAAAAATTACTCCCTGG
 ACTTGACCTCAATCACAACAATATTTTTCTGAACTTTGCCAGGTGTGGTGTGGGACCTACCGGCCA
 GAGTATGCAGTCAATTTATTAACAGATGTACACAGTCTGGAATTTTCAGGATCATTGGGACTTTGC
 AGAACTCTGCCGAGTTTGCAGATGCCTTTCATTGCCGCAAGAATTCATACATGAATCCAGAAAGGAAATG
 TCGGGTTTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289462
Insert Size: 2253 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001289462.1</u> , <u>NP_001276391.1</u>
RefSeq Size:	6088 bp
RefSeq ORF:	2253 bp
Locus ID:	17380
UniProt ID:	<u>Q61391</u>
Cytogenetics:	3 29.97 cM
Gene Summary:	Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids. Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond. Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9. Involved in the degradation of atrial natriuretic factor (ANF) (By similarity). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).[UniProtKB/Swiss-Prot Function]