

Product datasheet for **MC228967**

Eml1 (NM_001286346) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml1 (NM_001286346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml1
Synonyms:	1110008N23Rik; A930030P13Rik; AA171013; AI847476; AI853955; ELP79; EMAP; EMAPL; heco
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228967 representing NM_001286346
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACGGCGAGGGCCCTCAGCTGATGACAGCGCTCTGCTGCCAGCAGCATGGAGGTGTGACACC
 GCATCGCCTCTCTGGAGCAGCGCTCCAGATGCAGGAGGATGACATTCAACTGCTCAAGTCAGCGCTGGC
 CGACGTGGTTCGGAGGCTGAACATCACGGAGGAGCAACAGGCTGTGCTAACAGGAAAGGACCTACCAAAA
 GCGAGGGCACTGGGGCAGACCCTGCCATTGAGAACCACCGTCAACAATGGCACCGTGTACCAAAGAAAAC
 CCAGTGCCTCCCTCCCGGCACCCCTCCGGGGCCAGGAAAGAAGTAGTTGTGCCGGTAACCAAAAGCATCAA
 TAGGACCAGCTCTCCGAAAGAGTGTCTCCAGGTGGCCGGAGGGAGAGCTCTGGGGACTCCAAAGGAAGC
 CGGAACCCGACGGGCTCAACCAGTAGCTCTCCAGCGCAAGAAGAAGCAGTGAGAGCAAACCAAGGAGC
 CCGCATTAGTCCAGAAGAAGGATATGAAAAATGTTTCTCGAGGCCGTCGGTACCATTGTACATGCC
 CAAAGACCAAGTGGATTCTGACAGTTTGAAGCAAAGCTGAGTTACCAACGAAGCGGCTGAAACTGGAG
 TGGGTCTACGGGTACCGGGGCGAGACTGTCGCAATAACTTGTACTTGCTCCCGACCGGGGAGACCGTGT
 ACTTCATTGCGTCTGTCGTGGTCTTTACAATGTGGAGGAGCAGCTGCAGAGGCATTACCGGGGCCACAA
 CGATGACGTCAAGTGCCTAGCGGTCCATCCTGACAGGATCACCATAGCAACGGGACAAGTGGCGGGCACA
 TCTAAGGATGAAAGCAACTGCCACCACATGTGCGCATCTGGGACTCTGTGACACTGAACACTCTGCATG
 TCATTGGAATAGGCTTTTTTGACCGGGCTGTCACTGCATCGCATTCTCAAAGTCAACGGAGGAGGCCA
 TCTCTGTGCTGTGGATGATTCCAACGATCAGTGTGTCGGTGTGGGATTGGCAGAAAGAAGAGAGACTG
 GCCGACGTGAAGTGTTCGAACGAAGCGGATTTGCGGCGGACTCCACCCACAGACACCAATATCATAG
 TCACCTCGGGAAAGTACATCTACTTTTGGACCCTAGAAGGAAATCCCTTAACAAGAAGCAAGGTT
 GTTTGAGAAACAAGAGAAGCCAAAGTTTGTCTCTGCGTGACGTTTTCTGAAAATGGCGACACCATTACT
 GGAGATTAAGCGGCAACATCTTGGTGTGGGGAAAGGTACAAATCGGATAAGCTATGCAGTTCAAGGGG
 CCCACGAGGGCGGCATTTTTGCACTTTGTATGCTGAGAGACGGGACGCTGGTGTCCGGAGGAGGGAAGGA
 CCGGGCACTATTTCTGGAACGGAAACTATCAAAAACCTCACAAAGCAGAGATTCTGAGCAGTTTGGC
 CCAATACGGACAGTAGCCGAAGGGAAGGGCAACGTCATCTTGATAGGCACTACTAGAAACTTTGCCTGC
 AAGGCACCTTGTGAGGGACTTACACCCATCACTCAGGGCCACACCGATGAGCTCTGGGGCTAGCCAT
 CCATGCCTCCAAGCCTCAGTTCCTGACTTGTGGACATGACAAACATGCCACTCTCTGGGACGCTGTCGGT
 CACCGGCCAGTCTGGGACAAAATCATAGAGGATCCAGCTCAGTCTCTGGTTTTATCCTCCGGGTCTG
 TGGTTGACAGTGGGACACTGACTGGGAGGTGGTTTGTGTTTGGACCGGAGACAAAGGACTTGGTACCGT
 CCACACGGATGGGAATGAGCAGCTGTCCGTGATGCGGTATTCTCCAGATGGGAACCTCTTAGCAATCGGC
 TCCCATGACAACCTGCATCTACATATATGGAGTTACCGACAATGGAAGGAAGTACACACGAGTTGGCAAGT
 GCTCCGGCCATTCAGCTTCATACCCACTTGGACTGGTCCGTGAACTCACAAATTCCTGGTGTCAAATTC
 CGGGGACTACGAGATCCTCTACTGGTTCCGTCTGCCTGTAAGCAAGTCGTGAGTGTGGAACCACAAGG
 GACATCGAGTGGGCCACCTATACCTGCACCTTGGGATTCACGCTTTGGAGTGTGGCCGGAGGGCTCCG
 ATGGGACAGACATCAACGCCGTCTGCCGGGCTCACGAGAGAAAGCTCTTGTGCACAGGCGATGACTTCGG
 CAAAGTGCACCTCTTCTCATACCCGTGCTCACAGTTCGGGCTCCAAGCCACATCTACAGTGGACACAGC
 AGCCACGTCAACCAACGTGGACTTCTCTGTGAAGACAGCCACCTTATCTCCACGGGTGGGAAAGACACAA
 GCATCATGCAGTGGCGAGTCATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286346
Insert Size: 2406 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_001286346.1</u> , <u>NP_001273275.1</u>
RefSeq Size:	3943 bp
RefSeq ORF:	2406 bp
Locus ID:	68519
UniProt ID:	<u>Q05BC3</u>
Cytogenetics:	12 59.46 cM
Gene Summary:	<p>Modulates the assembly and organization of the microtubule cytoskeleton, and probably plays a role in regulating the orientation of the mitotic spindle and the orientation of the plane of cell division. Required for normal proliferation of neuronal progenitor cells in the developing brain and for normal brain development. Does not affect neuron migration per se. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has an alternate 5' terminal exon, compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.</p>