

Product datasheet for **MC221575**

Eml1 (NM_001043336) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml1 (NM_001043336) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml1
Synonyms:	1110008N23Rik; A930030P13Rik; AA171013; AI847476; AI853955; ELP79; EMAP; EMAPL; heco
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221575 representing NM_001043336
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGTGACACCGCATCGCCTCTCTGGAGCAGCGCTCCAGATGCAGGAGGATGACATTCAACTGC
 TCAAGTCAGCGCTGGCCGACGTGGTTCGGAGGCTGAACATCACGGAGGAGCAACAGGCTGTGCTCAACAG
 GAAAGGACCTACCAAAGCGAGGCCACTGGGGCAGACCCTGCCATTGAGAACCACCGTCAACAATGGCACC
 GTGTTACCAAAGAAACCCAGTGCCTCCCTCCCGCACCCTCCGGGGCCAGGAAAGAAGTAGTTGTGCCGG
 TAACCAAAGCATCAATAGGACCAGCTCTCCGAAAGAGTGTCTCCAGGTGGCCGGAGGGAGAGCTCTGG
 GGACTCCAAAGGAAGCCGGAACCGCACGGGCTCAACCAGTAGCTCCTCCAGCGGCAAGAAGAAGCAGTGAG
 AGCAAACCAAGGAGCCCGCATTAGTCCAGAAGAAGGATATGAAAAATGTTTCTTCGAGGCCGTCGG
 TCACCATGTACATGCCAAAGACCAAGTGGATTCTGACAGTTTGAAGCAAAAGCTGAGTTACCAACGAA
 GCGGCTGAAACTGGAGTGGGTCTACGGGTACCGGGGCGAGACTGTCGCAATAACTTGTACTTGTCCCG
 ACCGGGGAGACCGTGTACTTCATTGCGTCTGTCGTGGTGTTTACAATGTGGAGGAGCAGCTGCAGAGGC
 ATTACGCGGGCCACAACGATGACGTCAAGTGCCTAGCGGTCCATCCTGACAGGATCACCATAGCAACGGG
 ACAAGTGGCGGGCACATTAAGGATGGAAGCAACTGCCACCACATGTGCGCATCTGGGACTCTGTGACA
 CTGAACACTCTGCATGTCATTGGAATAGGCTTTTTGACCGGGCTGTACCTGCATCGCATTCTCAAAGT
 CTAACGGAGGAGGCCATCTGTGCTGTGGATGATTCCAACGATCACGTGCTGTCCGTGTGGGATTGGCA
 GAAAGAAGAGAGACTGGCCGACGTGAAGTGTTCGAACGAAGCGGTATTTGCGGGGACTTCCACCCACA
 GACACCAATATCATAGTACCTGCGGGAAGTACATCTCTACTTTTGGACCCTAGAAGGAAATTCCTTA
 ACAAGAAGCAAGGGTTGTTTGAGAAACAAGAGAAGCCAAAGTTTGTCTCTGCGTGACGTTTTTGAAAA
 TGGCGACACCACTTACTGGAGATTCAAGCGCAACATCTTGGTGTGGGGAAAGGTACAAATCGGATAAGC
 TATGCAGTTCAAGGGGCCACGAGGGCGGCATTTTTGCACCTTTGTATGCTGAGAGACGGGACGCTGGTGT
 CCGGAGGAGGGAAGGACCGCGACTCATTTCTGGAACGGAAACTATCAAAAACCTCACAAAGCAGAGAT
 TCCTGAGCAGTTTGGCCCAATACGGACAGTAGCCGAAGGGAAGGGCAACGTCATCTTGATAGGCACTACT
 AGAAACTTTGCTCCTGCAAGGCACCTTGTGAGGGGACTTACACCCATCACTCAGGGCCACACCGATGAGC
 TCTGGGGCTAGCCATCCATGCCTCCAAGCCTCAGTTCCTGACTTGTGGACATGACAAACATGCCACTCT
 CTGGGACGCTGTGGTACCGGCCAGTCTGGGACAAAATCATAGAGGATCCAGCTCAGTCTCTGGTTTT
 CATCCTTCGGGTCTGTGTTGCAAGTGGGACACTGACTGGGAGGTGGTTTGTGTTTGACACGGAGACAA
 AGGACTTGGTCACCGTCCACCGATGGGAATGAGCAGCTGTCCGTGATGCGGTATTCTCCAGATGGGAA
 TTCTTAGCAATCGGCTCCCATGACAACGTCATCTACATATATGGAGTTACCGACAATGGAAGGAAGTAC
 ACACGAGTTGGCAAGTGTCCGGCCATTCCAGCTTCATCACCCACTTGGACTGGTCCGTGAACTCACAAT
 TCCTGGTGTCAAATTCGGGGACTACGAGATCCTCTACTGGGTTCCGTCTGCCTGTAAGCAAGTCGTGAG
 TGTGAAACCACAAGGGACATCGAGTGGCCACCTATACCTGCACCTTGGGATCCACGTCCTTGGAGTG
 TGGCCGGAGGGCTCCGATGGGACAGACATCAACGCCGTGTCGGGGCTCACGAGAGAAAGCTCTTGTGCA
 CAGGCGATGACTTCGGCAAAGTGCACCTTCTCATACCCGTGCTCACAGTTCGGGGCTCCAAGCCACG
 CTACAGTGGACACAGCAGCCACGTCACCAACGTGGACTTCTCTGTGAAGACAGCCACCTTATCTCCAGC
 GGTGGAAAGACACAAGCATCATGCAGTGGCGAGTCATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001043336
Insert Size: 2352 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_001043336.2 , NP_001036801.1
RefSeq Size:	3806 bp
RefSeq ORF:	2352 bp
Locus ID:	68519
UniProt ID:	Q05BC3
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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.</p>