

Product datasheet for MC223003

Eml4 (NM_001114361) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml4 (NM_001114361) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml4
Synonyms:	4930443C24Rik; AI644019
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223003 representing NM_001114361 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGTTTCGCCGCGCAGCCTCGATGATAGTATTTCTGCTGCAAGTACCTCTGACGTTCAAGACCGCC
TCTCAGCTCTTGAGTCACGAGTTCAACAACAAGAAGATGAAATCACTGTGCTAAAGGCAGCATTGGCTGA
TGTTTTGAGGCGTCTTGCAATCTCTGAAGATCATGTAGCCTCAGTGAAAAAGTCCATGCCAAGTAAAGGC
CAACCAAGCCTTCGAGAAGCTATTTCTATGTCCTGTATAACCAATGGAAGTGGTATAAGCAGAAAAACAGA
ATCATACCAGCTCTGTATCAATAGCAAGAAAAGAACTCTTTCTTCAGCTGCTAAAAGTGGTACAGAAAA
AAAGAAAAGAAAAGCCACAAGGACAGAGAGAAAAAAAGAGGATTCTCATTCTAATGATCAGAGCCACAA
ATTCGAGCGTCACCTTCTCCCCAGCCCTCTTCACAGCCTCTCCAATAAACAGACAAACTCCAGAGAGCA
AGAGTTCTGCTCCCATCAAAAGCATAAAACGTCCACCAACAGCTGAAAAGTACATAACTCATGGAAAA
TTCAGATGATAGTCGTAATAAATTAATGAAAACGGTTTCAACATCAAAACTAATATCAAAGTTATAAAA
AATGCAGACAAACATAAAGATGTCATCGTCAATCAAGCAAAAATGTCAACCCGGGAAAAAAACAGCCAAG
AAGGAGAATATATTAATGTTTATGCGAGGTGCGCAATTACAATGTTTCATTCCCTCGGATGTTGACAA
CTATGATGACATCAGAACAGAAGTGCCTCCAGAGAAGCTCAAAGTGGAGTGGGTATACGGTTATCGAGGA
AAGGACTGTAGAGCGAATGTATACCTGCTTCCCACAGGGGAGATGTTTATTTTATCGCCTCAGTGGTAG
TCCTGTTTAATTATGAGGAGAGGACTCAGCGACACTACCTGGGTACATACAGACTGTGTGAGATGCCTTGC
TGTACATCCTGACAAGATTAGAATTGCAACTGGACAGATAGCCGGAGTAGACAAAAGATGGAAGGCCTCTG
CAACCCCATGTCAGGGTGTGGGATTGAGTAAGTCTTACCACACTGCATGTTATTGGACTTGGAACTTTTG
AGCGTGGAGTAGGATGCCTGGATTTTTCAAAGCAGATTCAGGTGTTCAATTTATGCGTTATTGATGACTC
CAATGAGCACATGCTTACTGTATGGGACTGGCAGAAAAAATCAAAAATCGCAGAAATAAAGACAACAAAC
GAAGTTGTTTTGGCTGTAGAATCCACCCAACAGATGCAATAACAATAAACATGTGGTAAATCTCATA
TTTTTTCTGGACCTGGAGTGGCAACTCACTAACAGAAAACAGGGAATTTTTGGGAAATATGAAAAACC
AAAATTCGTTTCAGTGTGGCATTCTTGGGAATGGAGATGTTCTCACTGGAGACTCGGGTGGAGTCATG



[View online »](#)

CTGATCTGGAGCAAAACGATGGTAGAGCCCCGCCCGGAAAGGACCTAAAGGTGTGTATCAGATCAACA
 GACAAATCAAAGCTCATGATGGCAGTGTGTTTACACTTTGTGAGATGAGAAATGGGATGCTATTAAGTGG
 AGGCGGAAAAGACAGAAAAATAATTTTGTGGGATCATGATCTGAACCTTGAAAGAGAAATAGAGGTTCT
 GATCAGTATGGCACCATTAGAGCAGTTGCAGAGGGAAGGGCAGAACAGTTCTTAGTAGGCACATCACGAA
 ACTTTATTTTACGGGGAACGTTTAAATGATGGCTTCCAAATAGAAGTCCAGGGTCATACAGATGAACCTG
 GGGCCTTGCAACACATCCCTTCAAAGATTTGCTCTTGACGTGTGCTCAGGACAGGCAGGTGCATGTGG
 AACTCAGTGGAGCACAGGCTGGAGTGGACCAGGCTTGTGGACGAACCAGGACACTGTGCAGACTTTCATC
 CAAGCGGTACAGTGGTAGCCATTGGAACGCACTCAGGCAGGTGGTTTGTCTGGATGCAGAAACAAGAGA
 TCTGGTGTCAATCCACACGGATGGCAATGAGCAGCTGTCTGTGATGCGCTACTCAGTAGATGGCACTCTT
 CTGGCTGTGGGCTCTCATGACAACCTTTATTTACCTCTACACAGTCTTAGAAAACGGAAGAAAATACAGCA
 GATATGGAAGTGCAGTGGACATTTAGCTACATCACACACCTTGACTGGTCCCCAGACAATAAGCATAT
 AATGTCTAACTCGGGTACTACGAGATACTGTACTGGGACATTGAAAATGGCTGCAAACTAATCAGGAAC
 CGATCAGATTGCAAGGACATCGATTGGACAACATACCTGTGTGCTAGGCTTCCAAGTCTTGGGGTGT
 GGCCGGAAGGGTCCGATGGAACAGACATCAACGCACTGGTTCGATCCCACAACAGAAGAGTGATCGCAGT
 GGCCGATGATTTCTGCAAAGTTCATCTCTTTCAGTACCCTGCTCAAAGCCAAGGCTCCCAGTCACAAG
 TACAGTGGCCACAGCAGCCATGTGACCAACGTAGTTTTACTCATAATGACAGTACCTAATTTCAACTG
 GTGGGAAGGATATGAGCATCATTAGTGAAGCTTGTGGAAAAGTTACCTGTGCCTCAAAACGAGGTCAT
 AACAGACGCCAGTGTGACCAAAACCCCTGCCTTCTCTCTGAAACTGCCAGGCCGTCTAACTCTCTCCA
 CTGCCTCTTCTCTACCGTTAACTGGGACGGCTGAAGAGGAAAGCAGGATGGGCAGCTCCCCACACTAG
 TGGAGAACAGCCTGGAGCAGATCGCAGAGCCCAGCGAGGAGCAGAGCGAGTGGGGTAGCGAAGACCTTGG
 TGTGGTATTGATGAAGACCTGCTAGTGAGTTAAGTGAGACACAGGGAGCAACTGAGCTGCCTGAGGAG
 GAGCGAGGCATAACACCCTGTGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001114361

Insert Size:

2967 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:

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_001114361.1, NP_001107833.1

RefSeq Size:

5445 bp

RefSeq ORF:

2967 bp

Locus ID: 78798

Cytogenetics: 17 E4

Gene Summary: May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.