

Product datasheet for **MC225102**

Eml5 (NM_001081191) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eml5 (NM_001081191) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eml5
Synonyms: BC027154; C130068M19Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225102 representing NM_001081191
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTCGGAGCGCCCCGAGCTGCCACCTGCGGCTCGAGTGGGTGTACGGCTACCGGGCCACCACT
GCCGAACAACCTCTACTACACGGCGGCCAAGGAGATCGTGTACTTCGTGGCGGGGTTCGGCGTGGTGT
TAGTCCGCGGGAGCATCGGCAGAAGTTCTCCGCGGCCACAGCGACGACATCATCAGTCTTGCACCTGCAT
CCTGAGCGAGTGTGGTAGCAACAGGACAAGTTGGGAAAGAGCCTTACATCTGTGTTGGGATTCTTACA
CTGTCCAGACCGTGTCCGTTCTGAAGGATGTTTCATACACATGGTATAGCTTGTGGCATTGACTTGGG
TGGACAGCGCTTGGTTTCAGTTGGACTCGATTCAAAGAATGCAGTTTGTGTTGGGACTGGAAAAGGGGG
AGAATGCTGTCTATGGCTCCAGGTCACACCGACAGAATATTTGATATTTCTTGGGATTTGTACCAGCCAA
ATAAACTCGTCAGCTGTGGTGTAAAACACATCAAGTTCTGGAGTTTGTGTGGAATGCTCTGACCCAAA
ACGCGGAGTTTTTGGTAAAACAGGTGACCTTCAGACAATATTGTGCCTCGCCTGTGCTCGGGATGAGCTA
ACATATTCTGGTGCACCTCAATGGGGATATATGTATGGAAGGAATCAATCTTATACGAACAATACAAG
GAGCCCATACTGCAGGGATTTTTAGTATGAACTCTTGTGAAGAAGCCTTGTACTGGTGGCAGAGATGG
CTGTATTCTGTTGGGATTTAACTTTTAAACCAATTACTGTGATTGATCTCAGGGAAACAGAAACAAGGA
TACAAAGTTTATCTGTGAGGAGTGTGTTGTTGGCGAGGTGACCACATTTTGTGGAAACGACAGGACAGT
AAATTTTTGAAATTGTTGTGCATGAAAGAAATAAACCTTTCTAATTATGCAAGGCATTGCGAAGGTGA
ACTTTGGGCGCTTGTGTTACCCTACTAAGCCTTTGGCTGTGACCGGAAGTGATGATCGTTTCAGTCAGG
ATTTGGAGCCTTGTAGATCATGCTTTAATAGCAAGATGTAATATGGAAGAGCCAATTCGGTGTGCTGCT
TAAATGTAGATGGAATTCATCTTGCCCTTGAATGAAGGATGGTTCGTTCACTGTCCTTAGAGTGAGAGA
CATGACTGAAGTTGTACATATTAAGACAGGAAAGAAGCAATCCATGAGCTAAAAATTCACCAGATGCC
GCTTACCTTGCTGTTGGCTGCAATGACAGCTCAGTTGACATCTATGGAGTTGCTCAGCGTTATAAAAAGG
TCGGTGAATGTGTCGGCTCCCTTAGCTTCACTCACTTGGACTGGTCTTCAGATAGTAGATACTTACA
GACAAATGATGGCAGTGGAAAGCGACTTCTCTACAAGATGCCAGGAGGAAAGGAGGTGACAAAGAAAG
GAAATAAAGGCATGCACTGGGCTTCTGGACATGCGTTGCAGGCCTTGAAGTCAATGGAATTTGGCCCA



AGTATTCTGATATCAATGATATAAACTCAGTCGATGGCAATTATGTTGGCCAGGTTTTAGTTACAGCTGA
 TGACTACGGAGTTGTAATAATTATCCGATACCCATGTTTGAGAAAAGGGGCAAGTTTAGAAAGTACATT
 GGCCATTCAGCTCATGTAACATAATGTCAGATGGTCACATGATTATCAGTGGGTTATCTCTATTGGTGGAG
 CAGATCATTCTGTCTTTTCAGTGGAAATTTATTCCTGAGAGAAAATAAAAGATGCCTTCACATAGCACC
 GCAAGAAAGTCTGGCTGAGTCCAACAGTGAATCAGATTCAGATCTGTCTGATGTTCCAGAAGTGGAT
 TCTGAGATTGAGCAAGAGACACAGCTTACTTACCACCGGCAGGTTTACAAAGAAGATCTACCTCACTTA
 AAGAACAATGCAAGAGAAGCAGAAAAGTCTACTTCTAAACGAAGAGAACGCACCTCAGGAACATAGTAT
 TCGATTGCACTTTATTCATGGTTACAGAGGTTATGACTGTCGAAGTAATCTTTTCTACACTCAAATTTGGT
 GAAATTGTGTACCACGTGGCAGCAGTGGGTGTCATATATAATAGACAACAGAACACACAGCGTTTTTACT
 TGGGTCATGATGATGATATTCTGTGTTGGCTATTCATCCTTTGAAAGACTATGTGGCAACAGGCCAGGT
 AGGTAGAGATCCCTCAATTCATGTATGGGACACAGAAACCATTAAACCATTGTCTATATTAAGGGCTAC
 CACCAATATGGCATCTGTGCTGTTGATTCTCAGCTGATGGGAAACGCCTGGCTTCAGTTGGAATAGATG
 ACAGCCACACCATTGTATTGTGGGACTGGAAGAAAGGGGAGAACTTTCAGTGACAAGAGGCAGTAAAGA
 TAAGATTTTTGTGTGAAATGAACCCCTATGTGCCTGATAAACTAATTACAGCTGGGATTAACACATG
 AAATTTTGGCGTAGAGCAGGGGGAGGATTAATTGGAAAAAAGGGTACGTAGGCCTCTGGGAAAAACG
 ACACAATGATGTGTGAGTACGGATGGACTGAAGAGATGGCTTTTTCTGGAACATCCACAGGAGATGT
 GTGCATCTGGAGAGATGTTTTCTGTAAAAACAGTTAAAGCCCATGATGGGCCCGTGTTCAGTATGCAT
 GCATTGGAGAAAGGATTTGTAACCTGGAGAAAAGATGGTATGGTAGCCCTTTGGGATGATTCCTTTGAAA
 GATGCCTCAAGACCTATGCTATAAAAAGAGCTGATTTAGCCCCAGGATCTAAAGGTCTGCCTTTGGAAGA
 TAACCCATCTATACGTGCCATATCATTAGGGCATGGTCATATTTTGGTTGGCACAAGAATGGTGAGATA
 TTAGAAGTGGATAAGAGTGGCCCAATCACTCTTCTGGTCCAGGGACACATGGAAGGAGAGGTGTGGGGTT
 TGGCCACACATCCTTACCTGCCATCTGTGCTACTGTAAGTATGATAAGACCTTAAGAAATATGGGATCT
 CTCTCCTAGTCATTGTATGTTGGCAGTCCGGAACCTGAAAAAGGGGGCCGCTGCTGCTTTCCCT
 GATGGAAGGCTTTGGCTGTGGGTCTCAACGACGGAAGCTTCTAATGGCCAATGCTGACACTCTGGAGG
 ATCTTGTGTCCTTTCACCACAGAAAAGATATTATTTTCAGACATCCGGTTTTACCTGGTTCTGGAAATA
 CCTAGCTGTGGCATCCCATGACAGCTTCGTTGATATATAACAACGTGACGAGTAGTAAACGAGTGGGGTT
 TGCAAAGGAGCAACCAGCTACATCACCCATATCGACTGGGACAGCAGAGGAAAGCTTTTACAAGTCAACA
 CTGGTGTAAAGAACAGCTATTCTTTGAAGCTCCAGAGGAAAAAGACAAACCATCCCCAGTGTGGAGGT
 GGAATAAATTAGTTGGGCAACATGGACAAGTGTCTTGGTTTATGCTGTGAGGGAATTTGGCCGGTATT
 GGAGAAGTACAGAAGTAACCGCTCTTGCCTCACCAGTGACAAAATGGTCTAGCCACAGGGGATGACT
 TGGGATTCGTGAAGCTGTTGAGATACCCAGCTAAAGGAAAATTTGAAAGTTAAGAAGTATGTGGCTCA
 CAGCACACATGTACAAAATGTTCCGCTGGACTTATGATGACAGCATGCTGGTTACCCTGGGAGGAGCAGAT
 ATGTCCCTAATGGTATGGACAAAATGAAGTGGAGAGCCATCGAGAAAAGAAGTACTGTGACAGTGAAGAGT
 CTGATATAGATTCTGAAGAAGATGGAGGCTATGACAGCGATGTTACAAGAGAGAATGAAATTAGCTATAC
 CATCAGAGCCTTATCAACAAAATATTCGCCCAATGTTTGGAGTCAAGCCTCATTGCAACGAAAAGAGCCA
 TCAGTTGATGAAAGACAGGGGGTAGTAAGAGGATCTAGGCCTCCAGTGAAGGGCCCCACCACAGCCAG
 AGAAACTTCAGTCAACAATGTTGGCAAGAAGAAGAGACCTATAGAGGACCTTGTGTTGGAGCTTGCTTT
 TGGCTCTCGGGGCAGAGACTGCAGGAACAATGTGCACTATTTAAATGATGGTATGATATAATTTATCAC
 ACTGCCTCTATTGGAATCTACACAATGTTGCCACAGGGACTCAGAGTTTTTATCAAGAGCATAATGATG
 ATATTTTGTGCCTCACTGTAATCAGCACCCCAATTTATCAACATAGTGGCAACTGGCCAAGTAGGTGA
 TTCTGCAGACATGTCAGCTACAGCCCCATCTGTCCACATCTGGGATGCAAGTGAACAAGCAGACGTTGCT
 ATACTAAGATGCTCCCACTCAAAGGGTGTGTGTTCTGTGACGTTTCAAGTACTGGGAAGCTGCTGCTGT
 CTGTAGGGCTAGACCCCGAGCAGCTGTAACCATTTGGAGATGGCAGGAAGGGGCCAAAATTTGCCAGCAG
 AGGTGGGCACAACCAACGTATTTTTGTAGCAGAATTTGACCAGATTGAGATACCCAGTTTGTCTGTG
 GGTATAAAGCACGTGAAGTTCTGGACCTGGCAGGAAGGGCTCTCTCAGCAAAAAGGGACTTCTGAGCA
 GCCTGGAGGATGCCCGGATGCAGACGATGCTTGTGTTGCATTTGGTGAATAACTTGACGTTTACAGG
 TACCATCAGTGGTATGTCTGTGTGTGGAAAGATCACATATTGTGCAGAGTGGTGGCTAGAGCCACAAT
 GGGCCTGTGTTTCCCATGTACACCACCCTGCGAGACGGACTGATTGTGACCGGTGCAAGGAAAGGCCGT
 CAAAGGAAGGAGGCGCAGTTAACTGTGGGATCAGGAACCTGAGGCGATGCCGGGCCCTTACGGCTTACAGC
 AGGACAAGTACAGATTGTTCGGTCTGTGTGCAGAGGCAAGGCAAGATACTAGTTGGGACAAGGAAT
 TCGGAAAATAATTGAAGTTGGAGAGAAAAATGCAGCATGTAACATTTTATGTTAATGGCCATGTGGATGGGC
 CAATCTGGGGACTCGCAACACATCCCTCCAGGGACTTCTTCTTTCTGCTGCTGAAGATGGGACAGTGAG

ACTCTGGGACATTGCTGATAAAAAGATGCTAAACAAAGTGAATTTGGGACACGCTGCTCGGACAGTGTGT
TATAGCCCCGAAGGGGACATGGTGGCTATTGGAATGAAAATGGAGAATTTATTATTAATTGTTGAGTT
CTCTAAAAATATGGGGAAAGAAGAGAGACAGGCGATGTGCAATCCATGATATCAGATTTAGCCCAGATTC
CCGGTATTTGGCGGTGGGTTCCAGTGAGAACTCAGTGGACTTTTATGACCTGACACTGGGTCCCACACTT
AACAGAATCAGCTACTGCAAAGACATCCAAGCTTTGTCATTAGATGGACTTCTCTGCAGATAGCAGAC
ATCTCCAGTTTCTAGTGGCTGTATAAACGGCATGTCTATGAAGTGCCTTCAGGAAAACACCTTGTGGA
TCATGCTGCCATTGACAGGATCACGTGGGCTACCTGGACTAGTATTCTAGGAGATGAAGTTATGGGAATC
TGGTCCAGACATGCTGAGAAGGCGGATGTCACCTGTGCCTGTGTCTCACTCAGGAATCAGCCTTGTGA
CAGGAGATGACTTTGGCATGGTTAAATTATGACTTTCCATGCCAGAAAAATTTGCAAAGCACAAAGAG
GTTCTTGGGTCAATCCCCTCATGTGACAAATATTCGATTTACCAGTGGTGTGATCGGCATGTTGTCAGTGT
GGAGGCGATGACTGCAGTTTGTGTCTGGAAATGTGTACACATGCCTCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081191
Insert Size:	5934 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_001081191.1 , NP_001074660.1
RefSeq Size:	10136 bp
RefSeq ORF:	5934 bp
Locus ID:	319670
UniProt ID:	Q8BQM8
Cytogenetics:	12 E
Gene Summary:	May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]