

Product datasheet for **MC220265**

Eml2 (NM_028153) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml2 (NM_028153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml2
Synonyms:	1600029N02Rik; EMAP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220265 representing NM_028153
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTAGTTTTGGAATTGGGAAAACAAAGAAGTTATCTTCAGCATGGAGGAGGATCCGTAAGATGT
 TTCTGCGGGGACGCCCTGTGCCATGCTGATCCGGACGAACTGGCGCCACCTATAGCCTGGACTCG
 TTCTGAGCTGCCCTCCAGCCGGCTAAAGCTAGACTGGGTGATCCTTTGACTAGCTCCCTTTCTGCCCTC
 TTGGAAGAGGCCCTGGGCTTCTCCAGCTATGGCTATCGAGGCCGGGACTGCAGGGCCAACCTTTACCTCC
 TGCCCACTGGGGAGGTGGTGTACTTTGTGGCTCTGTGGCCGACTGTACAGCGTGGAGGAGCAGAGACA
 ACGACTACCTGGGCAACAACGATGACATCAAATGTCTGGCTGCCATCCAGATATGGTACCATCGCC
 ACAGGACAGGTGGCAGGCACCACAAGGAAGGCAAGCCTCTGCCACCCATGTGCGTGTGTGGGACTCGG
 TTTCCCTTTCCACCTTACAGTCTGGCCTGGGGGTGTTTGACAGAGCTGTGTGTGTGGCCTTCTC
 CAAATCCAATGGGGCAACCTGCTATGTGCACTGGACGAATCCAACGACCATGTGCTCTCTGTGTGGGAC
 TGGGCCAAGGAGAGCAAAGTGGTGGATAGCAAGTCTTAACGAGGCAGTCTAGTGGCCACCTCCACC
 CCACTGATCCCAGCCTGCTGATAACCTGTGGCAAATCCCACATCTACTTCTGGAGCCTGGAGGGAGGCGAG
 TCTGAGCAAGAGGCAGGGCCTGTTTCGAGAAACACGAGAAACAAAGTACGTGCTGTGTGTGACCTTCTG
 GAAGGTGGCGATGTGGTCACTGGAGACTCTGGGGGAACCTCTATGTCTGGGGCAAAGGTGGAAACCGCA
 TCACCCAGGAAGTTCAAGGAGCCATGATGGTGGCGTGTGGTCTCTGCGCCCTGCGGGACGGGACGCT
 GGTGTCTGGAGGGGGCCGCGATCGTAGGGTGGTCTCTGGGGTTCGGACTACAGCAAGGTGCAGGAGGTG
 GAGTCCCAGAGGACTTCGGCCCTGTACGACCCGTGGCAGAGGGCCGGGAGACACACTGTACGTGGGA
 CCACCCGTAACCTCATCTTGCTAGGCTCGGTGCACACAGGGTTTTCGCTGCTTGTCCAGGGACATGTGA
 GGAGCTGTGGGGCTGGCCACACATCCTAGCAGGGCACAGTTTTGTGACCTGTGGCAGGACAAGCTGGTG
 CATCTGTGGAGTTCGAGACCCACCAGCCAGTGTGGAGCAGGAGCATCGAGGACCCTGCCGTTCCGGCTG
 GCTTCCACCCAGTGGCTCCGTCCTAGCGGTGGGCACAGTGACCGGCAGGTGGCTGCTACTGGACACAGA
 GACCCATGACCTGGTGGCTATCCACACAGATGGCAATGAGCAGATCTCCGTGGTCACTTTTACCAGAC
 GGGGCGTACCTGGCTGTGGGCTCCACGACAACCTGGTGTACGTGTACACGGTGGACCAGGGTGGCCGA
 AGGTCAGCCGCTGGGCAAGTGTCTGGGCCATTCCAGTTTTATCACCCACCTGGATTGGGCCAGGACAG
 CACCTGCTTTGTACCAACTCTGGAGACTACGAGATTCTGTACTGGACCCCGTCACCTGTAAGCAAATC
 ACCAGTGCAGACCCGTGAGAAAGTGGAAATGGGCTACCGCCACTGTGTGTTGGGTTTTGGAGTGTGTTG
 GGATTTGGCCCGAGGGAGCAGATGGCACAGACATCAATGCTGTGGCCCGCTCATGATGGGAAGTTGCT
 GGTCTGCTGACGACTTTGGCAAAGTGCACCTGTTTACGCTACCCCTGCTGTGAGCCGAGAGCCCTCAGC
 CACAAATACGGTGGACACAGCAGCCATGTGACTAATGTGGCCTTCTTGTGGGATGACAGCATGGCCCTAA
 CCACTGGGGCAAAGACACGAGCGTGTGCAGTGGCGGGTGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_028153
- Insert Size:** 2007 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_028153.1](#), [NP_082429.1](#)

RefSeq Size: 2312 bp

RefSeq ORF: 2007 bp

Locus ID: 72205

UniProt ID: [Q7TNG5](#)

Cytogenetics: 7 A3

Gene Summary: Tubulin binding protein that inhibits microtubule nucleation and growth, resulting in shorter microtubules.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) differs in the 5' UTR and coding region, compared to variant 3. These differences cause translation initiation at a novel AUG and result in an isoform (1) with a shorter and distinct N-terminus, compared to isoform 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.