

## Product datasheet for **MC220859**

### **Eml4 (BC065178) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eml4 (BC065178) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml4
Synonyms:	4930443C24Rik; AI644019
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC065178  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACAGAGTATCCAGTATCCAGTGGCTATACCAGATGATAGTATTTCTGCTGCAAGTACCTCTGACG  
 TTCAAGACCGCTCTCAGCTCTTGAGTCACGAGTTCAACAACAAGAAGATGAAATCACTGTGCTAAAGGC  
 AGCATTGGCTGATGTTTTGAGGCGTCTTGAATCTCTGAAGATCATGTAGCCTCAGTGAAAAAGTCCATG  
 CCAAGTAAAGGCCAACCAAGCCTTCGAGAAGCTATTTCTATGTCCTGTATAACCAATGGAAGTGGTATAA  
 GCAGAAAAAGAGATCATAACAGCTCTGTATCAATAGCAAGAAAAGAACTCTTTCTCAGCTGCTAAAAG  
 CATAAACGTCACCAACAGCTGAAAAGTACATAACTCATGGGAAAATTCAGATGATAGTCGTAATAAA  
 TTAATGAAAACGGTTTCAACATCAAACTAATATCAAAGTTATAAAAAATGCAGACAAACATAAAGATG  
 TCATCGTCAATCAAGCAAAAATGTCAACCCGGGAAAAAAGCAGCCAAGAAGGAGAATATATTTAAATGTT  
 TATGCGAGGTCGCGCAATTACAATGTTTCCTTCGGATGTTGACAACATGATGACATCAGAACAGAA  
 CTGCCTCCAGAGAAGCTCAAAGTGGAGTGGGTATACGGTTATCGAGGAAAAGGACTGTAGAGCGAATGTAT  
 ACCTGCTTCCCACAGGGGAGATAGTTTATTTTATCGCCTCAGTGGTAGTCTGTTAATTATGAGGAGAG  
 GACTCAGCGACTACCTGGGTCAACAGACTGTGTGAGATGCCTTGCTGTACATCCTGACAAGATTAGA  
 ATTGCAACTGGACAGATAGCCGGAGTAGACAAAGATGGAAGGCCTCTGCAACCCCATGTCAGGGTGTGGG  
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 TTTTTCAAAGCAGATTCAGGTGTTTATGCGTTATTGATGACTCCAATGAGCAGATGCTTACTGTA  
 TGGGACTGGCAGAAAAATCAAAAATCGCAGAAATAAAGACAACAAACGAAGTTGTTTGGCTGTAGAAT  
 TCCACCAACAGATGCAATAACAATAAACATGTGGTAAATCTCATATTTTTTTTGGACTGGAGTGG  
 CAACTCACTAACAAAGAAAACAGGGAATTTTTGGGAAATATGAAAAACAAAATTCGTTTCAGTGTGGCA  
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 TAGAGCCCCCGCCGGGAAAGGACCTAAAGGTGTGTATCAGATCAACAGACAAATCAAAGCTCATGATGG  
 CAGTGTGTTTACTTTGTGATGAGAAATGGGATGCTATTAAGTGGAGCGGAAAAGACAGAAAAATA  
 ATTTTGTGGGATCATGATCTGAACCTTGAAGAGAAATAGAGGTTCTGTAGTATGGCACCATTAGAG  
 CAGTTGCAGAGGGAAGGGCAGAACGTTCTTAGTAGGCACATCACGAACTTTATTTTACGTGGAACGTT  
 TAATGATGGCTTCAAATAGAAGTCCAGGGTCATACAGATGAACTCTGGGGCCTTGAACACATCCCTTC  
 AAAGATTTGCTCTTGACGTGTGCTCAGGACAGGAGGTGTGCATGTGGAACCTCAGTGGAGCACAGGCTGG  
 AGTGGACCAAGGCTTGTGGACGAACAGGACACTGTGCAGACTTTCATCCAAGCGGTACAGTGGTAGCCAT  
 TGGAAACGCACTCAGGCAGGTGGTTTGTCTGGATGCAGAAACAAGAGATCTGGTGTCAATCCACACGGAT  
 GGCAATGAGCAGCTGTCTGTGATGCGCTACTCAGTAGATGGCACTCTTCTGGCTGTGGGCTCTCATGACA  
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 TTCTAGCTACATCACACACCTTGACTGGTCCCCAGACAATAAGCATATAATGTCTAACTCGGGTACTAC  
 GAGATACTGTACTGGACATTGAAAATGGCTGCAAACTAATCAGGAACCGATCAGATTGCAAGGACATCG  
 ATTTGGACAACATATACCTGTGTGCTAGGCTTCCAAGTCTTTGGGGTGTGGCCGGAAGGGTCCGATGGAAC  
 AGACATCAACGCACTGGTTCGATCCACACAAGAAGAGTGTGCAGTGGCCGATGATTTCTGCAAAGTT  
 CATCTCTTTTCAGTACCCCTGCTCAAAGCCAAGGCTCCAGTCACAAGTACAGTGCCACAGCAGCCATG  
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 ACCCTGCCTCTTCTCTGAAACTGCCAGGCGTCTAACTCTCTCCACTGCCTCCTTCTTACCCTTAA  
 CTGGGACGGTGAAGAGGAAAGCAGGATGGGCAGCTCCCCACACTAGTGGAGAACAGCCTGGAGCAGAT  
 CGCAGAGCCCAGCGAGGAGCAGAGCGAGTGGGGTAGCGAAGACCTTGGTGTGGTATTGATGAAGAGCCT  
 GCTAGTGAGTTAAGTGAGACACAGGGAGCAACTGAGCTGCCTGAGGAGGAGCGAGGCATAACACCCCTGT  
 GCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

<b>ACCN:</b>	BC065178
<b>Insert Size:</b>	2805 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC065178</a> , <a href="#">AAH65178</a>
<b>RefSeq Size:</b>	4707 bp
<b>RefSeq ORF:</b>	2804 bp
<b>Locus ID:</b>	78798
<b>Cytogenetics:</b>	17 E4
<b>Gene Summary:</b>	May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]