

## Product datasheet for **MG209755**

### **Eml2 (BC055476) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eml2 (BC055476) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eml2
Synonyms:	1600029N02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG209755 representing BC055476  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTAGTTTTGGAATTGGGAAAACAAAGAAGTTATCTTCAGCATGGAGGAGGATCCGTAAGATGT  
 TTCTGCGGGGACGCCCTGTGCCATGCTGATCCCGGACGAACTGGCGCCACCTATAGCCTGGACTCG  
 TTCTGAGCTGCCCTCCAGCCGGCTAAAGCTAGACTGGGTCTATGGCTATCGAGGCCGGGACTGCAGAGCC  
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 AGGAGCAGAGACAACGACTACCTGGGGCACAACGATGACATCAAATGTCTGGCTGTCCATCCAGATAT  
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 CTTTTACCAGACGGGGCTACCTGGCTGTGGGCTCCCACGACAACCTGGTGTACGTGTACAGGTGGAC  
 CAGGGTGGCCGAAGGTGAGCCGCTGGGCAAGTGTCTGGGCCATTCCAGTTTTATCACCCACTGGATT  
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 GAGAGCCCTCAGCCAAAATACGGTGGACACAGACCCATGTGACTAATGTGGCCTTCTGTGGGATGAC  
 AGCATGGCCCTAACCACTGGGGCAAAGACACGAGCGTGTGAGTGGCGGGTGGCC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209755 representing BC055476  
 Red=Cloning site Green=Tags(s)

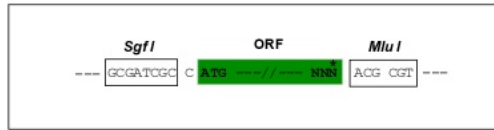
MSSFGIGKTKEIFSMEEGSKMFLRGRPVPMIPDELAPTYSLDTRSELPSSRLKLDWVYGYRGRDCRA  
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 ARSAGFHPSGSLAVGTVTGRWLLLDTETHDLVAIHTDNEQISVVSPDGAYLAVGSHDNLVYVYTVV  
 QGGRKVSRLGKCSGHSSFITHLDWAQDSTCFVTNSGDYEILYWDVPVTCQITISADTVRNVWATATCVL  
 FGVFGIWPEDGTDINAVARSHDGKLLVSADDFGKVHLFSYPCQPRALSHKYGGHSSHTNVAFLWDD  
 SMALTTGGKDTSVLQWRVA

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: BC055476

ORF Size: 1949 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC055476](#), [AAH55476](#)

RefSeq Size: 2347 bp

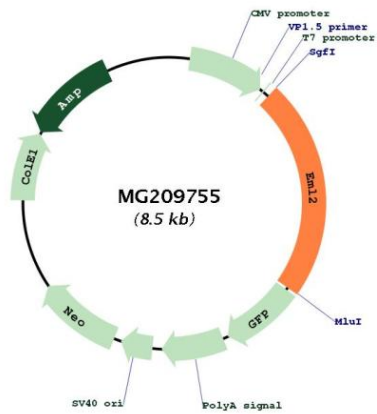
RefSeq ORF: 1949 bp

Locus ID: 72205

Cytogenetics: 7 A3

**Gene Summary:** Tubulin binding protein that inhibits microtubule nucleation and growth, resulting in shorter microtubules.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209755