

Product datasheet for **RR206238**

Eml2 (NM_138921) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml2 (NM_138921) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eml2
Synonyms:	Emap; Emap-2; Eml1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR206238 representing NM_138921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGGATCCGTGAAGATGTTTCTGCGGGGACGCCCTGTGCCCATGCTGATCCCAGACGAGCTGG
 CGCCACCTATAGCCTGGACACTCGTTCTGAGCTGCCTTCCAGCCGGCTAAAGCTAGATTGGGTCTATGG
 CTATCGAGGCCGGGACTGCAGGGCCAACCTTTACCTCCTGCCACCGGGGAGGTGGTGTACTTTCGTGGCC
 TCTGTGGCTGTACTGTACAGCGTAGAGGAGCAGAGACAACGACACTACCTGGGACACAATGATGACATCA
 AATGTCTGGCTGTCCATCCGGATATGGTCACCATCGCCACGGGACAGGTGGCAGGAACCACAAAGGAAGG
 CAAGCCTCTGCCACCCCATGTGCGTGTGTGGGACTCAGTTTCCCTTTCCACCTTACACGTCCTGGGCCTG
 GGGGTGTTTGACAGAGCTGTGTGCTGTGTGGCCTTCTCCAAATCCAATGGGGGCAACCTGCTATGTGCAG
 TGGACGAATCCAACGATCATGTGCTCTGTGTGGGACTGGGCCAAGGAGAGCAAAGTGGTGGATAGCAA
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 AAATCCCACATCTACTTCTGGAGCCTGGAAGGAGGCAACCTGAGCAAGCGGCAGGGCCTGTTTGAGAAAC
 ACGAGAAGCCAAAGTATGTGCTGTGTGTGACCTTCTTGAAGGTGGCGACGTGGTCACTGGAGACTCTGG
 GGGAACTCTATGTCTGGGGCAAAGGTGGAACCGCATCACCCAGGAAGTTCTAGGAGCCCATGATGGT
 GCGGTGTTTGCCTCTGCGCCCTGCGGGACGGGACGCTGGTGTCTGTTTGGGGCCGTGATCGTCGGGTGG
 TCCTCTGGGGTTACAGTACAGCAAGGTGCAAGAGGTGGAGGTCCAGAGGACTTCGGCCCTGTACGCAC
 CGTGGCAGAGGGCAGGGGAGACACACTGTACGTGGGACCACCCGTAACCTCCATCTTGCTTGGCTCGGTG
 CACACAGGTTTCTCTGCTTGTCCAGGGACATGTGGAAGAACTGTGGGGCCTGGCCACACATCCTAGCA
 GGGCACAGTTTGTGAGCTGTGGCAGGATAAGCTGGTGCATCTGTGGAGCTCGGAGACCCACAGCCAGT
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 GGCACAGTGACCGGCAGGTGGCTGCTACTGGACACAGACACCCGTGACCTGGTGGCTATCCACACAGATG
 GCAATGAGCAGATCTCTGTGGTCAGCTTTTACCAGACGGGGCGTACCTGGCTGTGGGCTCCACAGCAA
 CTTGGTGTACGTGTACACGGTGGACCATGTGGCCGCAAGGTGAGCCGCTGGGCAAGTGTCTGGGCCAT
 TCCAGTTTATCACTCACCTGGATTGGGCCCAGGACAGCACCTGCTTTGTACCAACTCTGGAGACTACG
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 ATCAATGCTGTGGCCGCTCTCACGATGGGAATTGCTGGTTTCTGCTGACGACTTCGGCAAAGTGCACC
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 TAATGTGGCCTTCTTGTGGGATGACAGCATGGTCTAACCCTGGGGGCAAAGACACGAGCGTGTGACG
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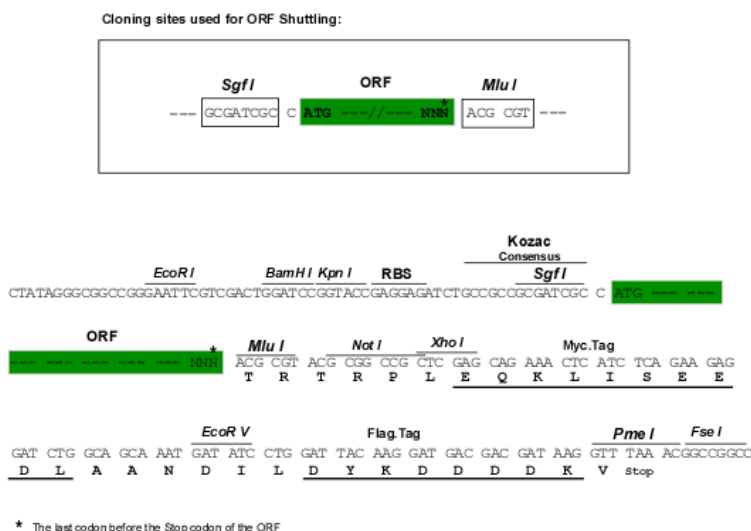
Protein Sequence: >RR206238 representing NM_138921
Red=Cloning site Green=Tags(s)

MEEGSVKMF LGRPV PMLIPDELAPTYS LDTRSEL PSSRLKLDWVYGYRGRDCRANLYLLPTGEVYVFA
SVAVLYSVEEQRRHYLGHND DIKCLAVHPDMVTIATGQVAGTTKEGKPLPPHVRVWDSVSLSTLHVLGL
GVFDRAVCCVAFSKSNGGNLLCAVDESNDHVL SVWDWAKESKVVD SKCSNEAVLVATFHPTDPNLLITCG
KSHIYFWSLEGGNLSKRQGLFEKHEKPKYVLCVTFLEGGDVVTGDSGGNLYVWGKGGNRITQEVLGAHDG
GVFALCALRDGTLVSVWGRDRRVVLWGS DYSKVQEV EVPEDFGPVRTVAEGRGDTLYVGTTRNSILLGSV
HTGFSLLVQGHVEELWGLATHPSRAQFVSCGQDKLVHLWSSETHQPVWSRSIEDPARSAGFHPSGSLAV
GTVTGRWLLLLDTRDLVAIH TDGNEQISVVSFSPDGAYLAVGSHDNLVYYVTVDHCGRKVSRLGKCSGH
SSFITHLDWAQDSTCFVTNSGDYEILYWDAATCKQITSADTVRNQWATATCVLGFVGFGIWPEGADGTD
INAVARSHDGNLLVSADDFGKVHLFSYPCCQPRALSHKYGGHSSHVTNVAFLWDDSMVLTTGGKDTSVLQ
WRVA

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 138921

ORF Size: 1902 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: [NM_138921.1](#), [NP_620276.1](#)

RefSeq Size: 2490 bp

RefSeq ORF: 1905 bp

Locus ID: 192360

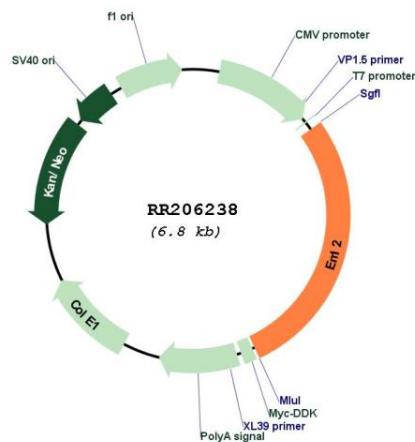
UniProt ID: [Q6P6T4](#)

Cytogenetics: 1q21

MW: 69.3 kDa

Gene Summary: microtubule-associated protein that binds to the delta2 glutamate receptor [RGD, Feb 2006]

Product images:



Circular map for RR206238