

Product datasheet for **RR209743**

Efemp2 (NM_001005907) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Efemp2 (NM_001005907) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Efemp2
 Synonyms: MGC94840
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209743 representing NM_001005907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCCATTGGCTCCTGCCTCCCCGGGTCTTTACTGCTCTGGGCGTTTCTGCTGTTGCTCTTGGGAG
 CAGCGTCCCACAGGATCCGAAGAGCCGGACAGCTACACGGAATGCACAGATGGCTATGAGTGGGATGC
 AGACAGCCAGCATTGCCGGGATGTAATGAGTGCCTGACCATCCCCGAGGCTTGAAGGGTAAAATGAAA
 TGCATCAACCACTACGGGGGCTATTTGTGTCTGCCTCGCTCTGCTGCCGTCATCAGTGATCTCCACAGTG
 AAGGACCTCCACCACCAGCAGCCTCTGCTCAACACCCAAATCCTTGCCCTCCGGGCTATGAACCTGATGA
 ACAGGAGAGCTGTGTGGACATAGATGAGTGTGCTACCGCTACTGCCAGCACCGATGCGTGAACCTGCCA
 GGCTCTTCCGATGCCAGTGTGAGCCCGGCTTCCAGTTGGGACCTAACAAACCGCTCTTGTGTGGATGTGA
 ACGAGTGTGACATGGGAGCCCGTGTGAGCAGCGCTGCTCAACTCCTATGGGACCTTCTGTGTCGCTG
 TAACAGGGCTATGAGCTACACCGGGATGGCTTCTCCTGCAGTGATATCGATGAGTGCAGCTACTCCAGT
 TACCTCTGCCAGTACCGCTGTGTAATGAGCCAGGTCGTTCTCCTGTCACTGCCACAAGGCTACCAAC
 TGCTGGCCACAAGGCTCTGCCAAGACATTGACGAGTGCAGAACAGGTGCACACCAAGTGTTCGGAGCCCA
 AACCTGCGTCAACTTCCATGGGGTTACCGCTGTGTGGACCAACCGTTGTGTGGAGCCCTATGTCCAA
 GTGTCCGACAACCGCTGCCTCTGTCTCCTGCCAACCCTTTGTGCGAGACAACCGTCATCCATCGTGC
 ACCGCTACATGAGCATCACCTCAGAGCGAAGTGTGCCTGCCGACGTGTTTCAGATCCAGGCAACCTCTGT
 CTACCCTGGCGCTACAATGCCTTTCAGATCCGTGCTGGGAACACACAGGGGGACTTCTACATTAGGCAA
 ATCAACAATGTCAGCGCCATGCTGGTCTTCCAGACCGGTGACAGGACCCCGGGAGTACGTCTGGACC
 TCGAGATGGTCCCATGAACTCCCTTATGAGTTACCGGGCAGCTCTGTACTGAGACTCACCGTCTTTGT
 GGGAGCCTATACCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209743 representing NM_001005907
 Red=Cloning site Green=Tags(s)

MLPFASCLPGSLLLWAFLLLLLGAASPQDSEEPDSYTECTDGYEWDADSQHCRDVNECLTIPEACKGEMK
 CINHYGGYLCLPRSAAVISDLHSEGGPPPAASAQHPNCPGYPDEQESCVDIDECRYRYCQHRCVNLP
 GSFRCQCEPGFQLGPNRSCVDVNECDMGAPCEQRCFNSYGTFLCRCNQGYELHRDGFSCSDIDECSYSS
 YLCQYRCVNEPGRFSCHCPQGYQLLATRLCQDIDECETGAHQCSAQTCVNFHGGYRCVDTNRCVEPYVQ
 VSDNRCLCPASNPLCREQPSSI VHRYSITSERSVPADVFQIQATSVYPGAYNAFQIRAGNTQGDYIRQ
 INNVSAMLVLRPVTGPREYVLDLEMTMNSLMSYRASSVLRLTVFVGAYTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

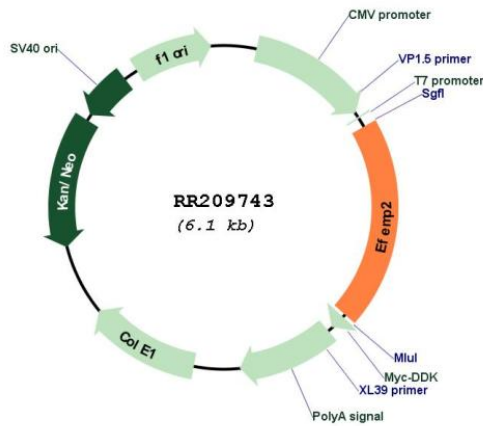
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005907

| | |
|-------------------------------|---|
| ORF Size: | 1206 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: | <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_001005907.2 , NP_001005907.1 |
| RefSeq Size: | 1450 bp |
| RefSeq ORF: | 1209 bp |
| Locus ID: | 293677 |
| Cytogenetics: | 1q43 |
| MW: | 44.9 kDa |