

Product datasheet for **RR216388**

Efemp2 (NM_001277346) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Efemp2 (NM_001277346) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Efemp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216388 representing NM_001277346
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTCCCATTGGCTCCTGCCTCCCGGGTCTTTACTGCTCTGGGCGTTTCTGCTGTTGCTCTTGGGAG
CAGCGTCCCACAGGATCCGAAGAGCCGGACAGCTACACGGAATGCACAGATGGCTATGAGTGGGATGC
AGACAGCCAGCATTGCCGGGACATAGATGAGTGTGCTACCGCTACTGCCAGCACCGATGCGTGAACCTG
CCAGGCTCTTCCGATGCCAGTGTGAGCCCGGCTTCCAGTTGGGACCTAACAAACCCTCTTGTGTGGATG
TGAACGAGTGTGACATGGGAGCCCCGTGTGAGCAGCGCTGCTTCAACTCCTATGGGACCTTCCTGTGTCG
CTGTAACCAGGGCTATGAGCTACACCGGGATGGCTTCTCCTGCAGTGATATCGATGAGTGCAGCTACTCC
AGTTACCTCTGCCAGTACCGCTGTGCAATGAGCCAGGTCGCTTCTCCTGTCACTGCCACAAGGCTACC
AACTGTGGCCACAAGGCTTGCCAAGACATTGACGAGTGCAGAACAGGTGCACACCAGTGTTCGGAGGC
CCAAACCTGCGTCAACTCCATGGGGTTACCGCTGTGTGGACACCAACCCTTGTGTGGAGCCCTATGTC
CAAGTGTGGACAACCGCTGCCTCTGCTCCTGCCAACCCTTTGTCGAGAGCAACCGTCATCCATCG
TGCACCGCTACATGAGCATCACCTCAGAGCGAAGTGTGCCTGCCGACGTGTTTCAGATCCAGGCAACCTC
TGCTACCTGGCGCCTACAATGCCTTTAGATCCGTGCTGGGAACACACAGGGGACTTCTACATTAGG
CAAATCAACAATGTCAGCGCCATGCTGGTCTTGCAGACCGGTGACAGGACCCCGGAGTACGTCTCGG
ACCTCGAGATGGTCACCATGAACTCCCTTATGAGTTACCGGGCCAGCTCTGTACTGAGACTCACCGTCTT
TGTGGGAGCCTATACCTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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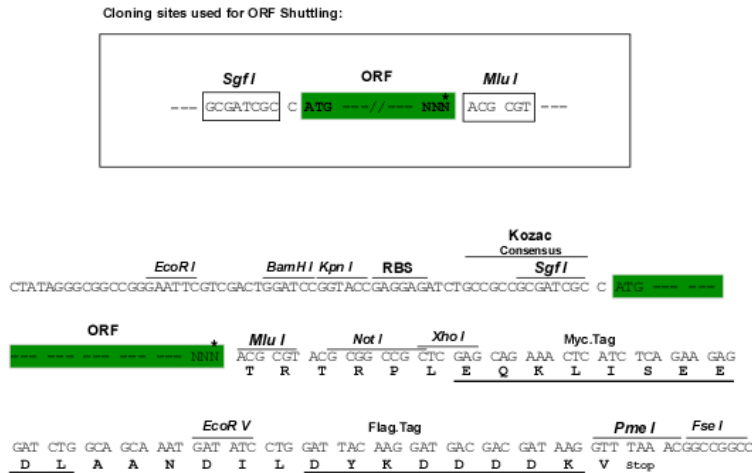
Protein Sequence: >RR216388 representing NM_001277346
Red=Cloning site Green=Tags(s)

MLPFASCLPGSLLLWAFLLLLLGAASPQDSEEPDSYTECTDGYEWDADSQHCRDIDECRYRYCQHRCVNL
 PGSFRCQCEPGFQLGPNNRSCVDVNECDMGAPCEQRCFNSYGTFLCRCNQGYELHRDGFSCSDIDECSYS
 SYLCQYRCVNEPGRFSCHCPQGYQLLATRLCQDIDECETGAHQCEAQTCVNFHGGYRCVDTNRCVEPYV
 QVSDNRCLCPASNPLCREQPSSIVHRYMSITERSVPAVDFQIQATSVYPGAYNAFQIRAGNTQGDFYIR
 QINNVSAMLVLARPVTGPREYVLDLEMVMTMNSLSYRASSVLRLLTVFVGAYTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

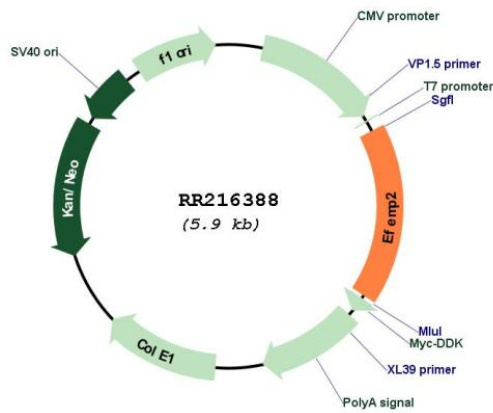
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001277346

ORF Size:	999 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_001277346.1 , NP_001264275.1
RefSeq Size:	1243 bp
RefSeq ORF:	1002 bp
Locus ID:	293677
Cytogenetics:	1q43
MW:	37.5 kDa