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Product datasheet for MR206053

Efemp1 (BC031184) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efemp1 (BC031184) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Efemp1
Synonyms:	MGC37612
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206053 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAACCAGTGGTGTGGTGCCTGGGGGTGGCTTCATGGCCAGTGCTACTGCAGTTGCTGGCCCTGAAG
TTCAAACTGGCCGAAATAACTTTGTCATCCGAAGAAACCCAGCTGACCCTCAGCGCATCCCTTCCAACCC
TTCCCACCGGATCCAGTGTGCAGCAGGCTATGAACAGAGTGAGCATAATGTGTGCCAAGATATTGATGAG
TGCACCTCAGGGACTCACAATTGTAGAACGGACCAAGTATGCATCAATTTACGAGGTTCCTTCACATGTC
AGTGTCTTCCTGGGTATCAGAAGCGAGGTGAACAGTGTGTGGATATAGATGAATGCACAGTGCCTCCATA
TTGCCACCAAAGATGTGTTAACACACCTGGTTCCTTCTACTGCCAGTGCAGTCCAGGGTTTCAGCTGGCA
GCAAACAACTACACTTGTGTGGATATAAATGAATGTGATGCCAGCAACCAGTGTGCTCAACAATGCTACA
ACATTCTTGGCTCATTCATCTGTCAGTGTAATCAAGGATATGAACTAAGCAGTGACAGACTCAACTGTGA
AGACATCGACGAATGCAGAACCTCAAGCTACCTATGCCAATATCAATGTGTCAATGAACCTGGGAAGTTC
TCATGTATGTGCCCACAGGGTTACGAAGTGGTGCGCAGCAGAACCTGTCAGGATATAAATGAATGTGAGA
CCACCAATGAATGCCGAGAAGATGAGATGTGCTGGAATTACCATGGGGGCTTCCGCTGTTACCCACGAAA
CCCATGTCAAGATCACTATGTTCTAACATCAGAAAACCGATGTGTTTGCCCAGTCTCAAACACTATGTGC
CGGGAGCTGCCCCAGTCCATTGTCTACAAATACATGAGCATCCGATCTGACAGGTCCGTGCCTTCAGACA
TCTTCCAGATACAGGCAACAATGATTTATGCAAACACCATTAATACTTTTCGGATTAAATCTGGAAATGA
AAATGGAGAGTTCTACCTACGACAAACAAGCCCTGTGAGTGCAATGCTGGTGCTTGTGAAGTCTCTATCA
GGACCAAGAGAATACATCGTGGACCTGGAGATGCTGACAGTCAGTAGTATAGGAACCTTCCGCACAAGCT
CTGTGTTAAGATTGACAATAATAGTGGGGCCATTTTCATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

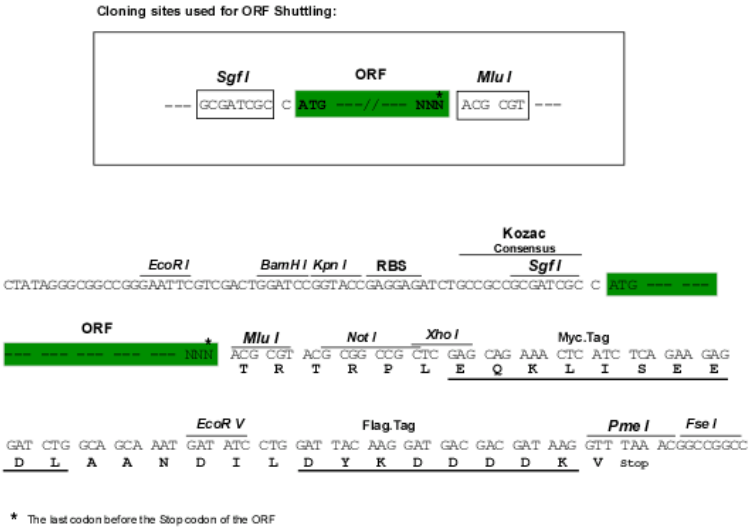
>MR206053 protein sequence
Red=Cloning site Green=Tags(s)

MATSGVVPGGGFMASATAVAGPEVQTGRNNFVIRRNPADPQRIPSNPSHRIQCAAGYEQSEHNVCQDIDE
CTSGTHNCRTDQVCINLRGSFTCQCLPGYQKRGEQCVDIDECTVPPYCHQRCVNTPGSFYCQCSPGFQLA
ANNYTCVDINECDASNQCAQQCYNILGSFICQCNQGYELSSDRLNCEDIDECRTSSYLCQYQCVNEPGKF
SCMCPQGYEVVRSRTCQDINECETTNECREDEMCWNYHGGFRCYPRNPCQDHYVLTSENRCVCPVSNTMC
RELPQSIVYKYMSIRSDRSVPSDIFQIQATMIYANTINTFRIKSGNENGEFYLRQTSPVSAMLVLVKSLS
GPREYIVDLEMLTVSSIGTFRTSSVLRLTIIVGPFSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031184

ORF Size: 1161 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: BC031184, AAH31184

RefSeq Size: 1677 bp

RefSeq ORF: 1163 bp

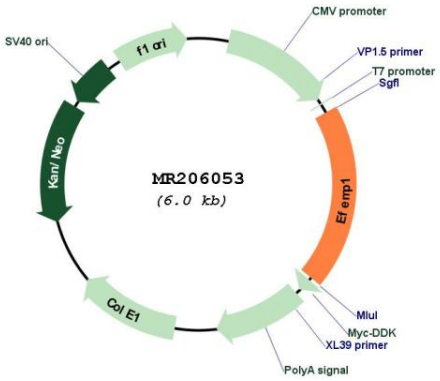
Locus ID: 216616

Cytogenetics: 11 A3.3

MW: 43.3 kDa

Gene Summary: Binds EGFR, the EGF receptor, inducing EGFR autophosphorylation and the activation of downstream signaling pathways. May play a role in cell adhesion and migration. May function as a negative regulator of chondrocyte differentiation. In the olfactory epithelium, it may regulate glial cell migration, differentiation and the ability of glial cells to support neuronal neurite outgrowth (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206053