

Product datasheet for **MG206053**

Efemp1 (BC031184) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efemp1 (BC031184) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Efemp1
Synonyms:	MGC37612
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206053 representing BC031184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACCAGTGGTGTGGTGCCTGGGGTGGCTTCATGGCCAGTGTACTGCAGTTGCTGGCCCTGAAG
TTCAAACCTGGCCGAAATAACTTTGTTCATCCGAAGAAACCCAGCTGACCCTCAGCGCATCCCTTCAAACCC
TTCCACCGGATCCAGTGTGCAGCAGGCTATGAACAGAGTGAGCATAATGTGTGCCAAGATATTGATGAG
TGCACCTCAGGGACTACAATTGTAGAACGGACCAAGTATGCATCAATTTACGAGTTTCCTTACATGTC
AGTGTCTTCTGGGTATCAGAAGCGAGGTGAACAGTGTGTGGATATAGATGAATGCACAGTGCCTCCATA
TTGCCACCAAAGATGTGTTAACACACCTGGTTCCTTCTACTGCCAGTGCAGTCCAGGGTTTCAGCTGGCA
GCAAACAACACTACACTTGTGTGGATATAAATGAATGTGATGCCAGCAACCAGTGTGCTCAACAATGCTACA
ACATTCTTGGCTCATTCTGTGAGTGAATCAAGGATATGAACTAAGCAGTGACAGACTCAACTGTGA
AGACATCGACGAATGCAGAACCTCAAGTACCTATGCCAATATCAATGTGTCAATGAACCTGGGAAGTTC
TCATGTATGTGCCACAGGGTTACGAAGTGGTGGCAGCAGAACCTGTGAGGATATAAATGAATGTGAGA
CCACCAATGAATGCCGAGAAGATGAGATGTGCTGGAATACCATGGGGGCTTCCGCTGTTACCCACGAAA
CCCATGTCAAGATCACTATGTTCTAACATCAGAAAACCGATGTGTTTGGCCAGTCTAAACACTATGTGC
CGGGAGTGGCCAGTCCATTGTCTACAAATACATGAGCATCCGATCTGACAGTCCGTCCTTCAGACA
TCTTCCAGATACAGGCAACAATGATTTATGCAAACACCATTAATACTTTTCGGATTAAATCTGGAATGA
AAATGGAGAGTTCTACCTACGACAAACAAGCCCTGTGAGTGAATGCTGTTGCTTGTGAAGTCTCTATCA
GGACCAAGAGAATACATCGTGGACCTGGAGATGCTGACAGTCAAGTATAGGAACCTTCCGCACAAGCT
CTGTGTTAAGATTGACAATAATAGTGGGCCATTTTCATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206053 representing BC031184
 Red=Cloning site Green=Tags(s)

MATSGVVPGGGFMASATAVAGPEVQTGRNNFVIRRNPPADPQRIPSNPISHRIQCAAGYEQSEHNVCQDIDE
 CTSGTHNCRDQVCINLRGSFTQCCLPGYQKRGEQCVDIDECTVPPYCHQRCVNTPGSFYCQCSPGFOLA
 ANNYTCVDINECDASNQCAQQCYNILGSFICQCNQGYELSSDRLNCEIDECRTSSYLCOYQCVNEPGKF
 SCMCPQGYEVVRSRTCQDINECETTNECREDEMWCWNYHGGFRCPYPRNPCQDHYVLTSENRCVCPVSNMTC
 RELPQSIYKYMSIRSDRSVPSDIFQIQATMIYANTINTFRIKSGNENGEFYLRQTSVPSAMLVLVKSLS
 GPREYIVDLEMLTVSSIGTFRSSVLRLLTIIIVGPFSS

TRTRPLE - GFP Tag - V

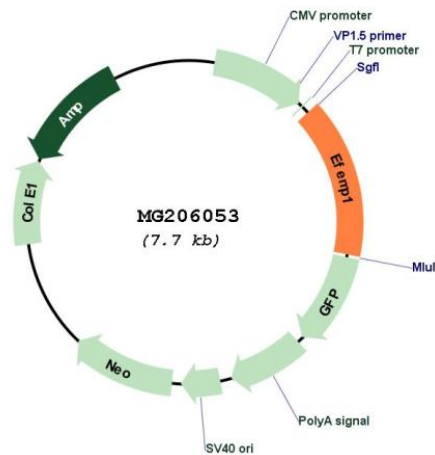
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC031184

ORF Size:	1163 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:	BC031184 , AAH31184
RefSeq Size:	1677 bp
RefSeq ORF:	1163 bp
Locus ID:	216616
Cytogenetics:	11 A3.3
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]