

Product datasheet for **MG225807**

Efemp1 (NM_146015) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efemp1 (NM_146015) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG225807 representing NM_146015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGCAAACACTTTTCTAACTATGCTGACTCTGGCGTGGTCAAGTACAGTACACCGAGGAAACCA
 TCACATACACGCAATGCACCGATGGATATGAATGGGACCCATAAGACAGCAGTGTAAAGATATTGATGA
 ATGTGACATTGTCCAGATGCTTCAAAGTGGAAATGAAATGTGTCAACCACTATGGAGGATATCTCTGC
 CTTCTAAAACAGCCAAATTATTGTCAATAATGAGCATCCTCAGCAAGAAAACACAGCTGCAGAAGCTT
 CGTCAGGTGCCACCACTGGGACTGTAGCTGCCAGGAGCATGGCAACCACTGGTGTGGTGCCTGGGGTGG
 CTTTCATGGCCAGTGTACTGCAGTTGCTGGCCCTGAAGTTCAACTGGCCGAAATAACTTTGTATCCGA
 AGAAACCCAGCTGACCTCAGCGCATCCCTTCAAACCTTCCACCGGATCCAGTGTGCAGCAGGCTATG
 AACAGAGTGAACATAATGTGTGCAAGATATTGATGAGTGCACCTCAGGGACTCACAATTGTAGAACGGA
 CCAAGTATGCATCAATTTACGAGTTCCCTTCACATGTCAGTGTCTTCTGGGTATCAGAAGCGAGGTGAA
 CAGTGTGTGGATATAGATGAATGCACAGTGCCTCCATATTGCCACCAAAGATGTGTTAACACACCTGGTT
 CCTTCTACTGCCAGTGCAGTCCAGGGTTTCAGCTGGCAGCAAACAACACTACTTGTGTGGATATAAATGA
 ATGTGATGCCAGCAACCACTGTGCTCAACAATGCTACAACATTCTGGCTCATTCTGTGAGTGAAT
 CAAGGATATGAACAAAGCAGTGCAGACTCAACTGTGAAGACATCGACGAATGCAGAACCTCAAGCTACC
 TATGCCAATATCAATGTGTCAATGAACCTGGGAAGTTCATGTATGTGCCACAGGGTTACGAAGTGGT
 GCGCAGCAGAACCTGTGAGGATATAAATGAATGTGAGACCACCAATGAATGCCGAGAAGATGAGATGTGC
 TGAATTACCATGGGGCTTCCGCTGTTACCCACGAAACCCATGTCAAGTCACTATGTTCTAACATCAG
 AAAACCCGATGTGTTTCCCACTCAAAACACTATGTGCCGGGAGCTGCCCACTGCTTACAATA
 CATGAGCATCCGATCTGACAGGTCCTGACACTTCCAGACATCTCCAGATACAGGCAACAATGATTTATGCA
 AACACCATTAATACTTTTCGATTAAATCTGAAATGAAATGGAGATTCTACCTACGACAAAACAGCC
 CTGTGAGTGAATGCTGGTGTGTTGAAAGTCTCTATCAGGACCAAGAGAATACATCGTGGACCTGGAGAT
 GCTGACAGTCAAGTATAGGAACCTTCCGCACAAGCTCTGTGTTAAGATTGACAATAATAGTGGGGCCA
 TTTTCATTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG225807 representing NM_146015
 Red=Cloning site Green=Tags(s)

MLQTLFLTMLLALVKSQYTEETITYTQCTDGYEWDPIRQCKDIDECDIVPDACKGGMKCVNHYYGGLC
 LPKTAQIIVNNEHPQETPAAEASSGATTGTVAARSMATSGVVPGGGFMASATAVAGPEVQTGRNNFVIR
 RNPADPQRIPSNPSHRIQCAAGYEQSEHNVCQDIDECTSGTHNCRDQVCINLRGSFTCCQLPGYQKRGE
 QCVDIDECTVPPYCHQRCVNTPGSFYQCSPGFQLAANNYTQVDINECDASNQCAQQCYNILGSFICQCN
 QGYELSSDRLNCEIDECRTSSYLQYQCVNEPGKFSMCPQGYEVVRSRTCQDINECETTNECREDEMC
 WNYHGGFRCYPRNPCQDHVLTSENRCVPSNTMCRELPQSIVYKMSIRSDRSVPSDIFQIQATMIYA
 NTINTFRIKSGNENGEFYLQRTSPVSAMLVVKLSLSPREYIVDLEMLTVSSIGTFRSSVLRLTIIVGP
 FSF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_146015

ORF Size: 1479 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_146015.2](#), [NP_666127.2](#)

RefSeq Size: 2036 bp

RefSeq ORF: 1482 bp

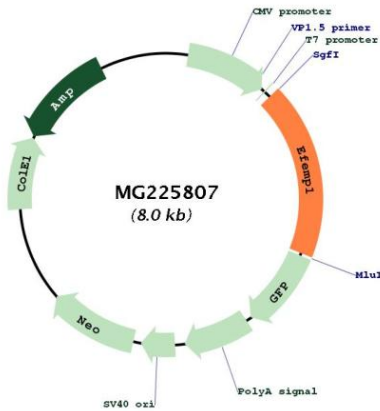
Locus ID: 216616

UniProt ID: [Q8BPP5](#)

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]

Product images:


Circular map for MG225807