

Product datasheet for **MG215755**

Egfl7 (NM_198725) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Egfl7 (NM_198725) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Egfl7
Synonyms: VE-statin; Zneu1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215755 representing NM_198725
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACCATGTGGGGCTCCGGAGAAGCTTGTAGCATGGTTTCTAGTGTGGCAGCAGATGGTACTA
CTGAGCATGTCTACAGACCCAGCCGTAGAGTGTGTACTGTGGGGATTTCCGGAGGTTCCATCTCGGAGAC
CTTTGTGCAGCGTGTATACCAGCCTTACCTCACCATTGCGACGGACACAGAGCCTGCAGCACCTACCGA
ACCATCTACCGGACTGCCTATCGCCGTAGCCCTGGGGTACTCCCGCAAGGCCTCGCTATGCTTGCTGCC
CTGTTTGAAGAGGACCAGTGGGCTCCCTGGGGCTTGTGGAGCAGCAATATGCCAGCCTCCATGTGGGAA
TGGAGGGAGTTGCATCCGCCAGGACACTGCCGCTGCCCTGTGGGATGGCAGGGAGATACTTGCCAGACA
GATGTTGATGAATGCAGTACAGGAGAGGCCAGTTGCCCCAGCGCTGTGTCAATACTGTGGGAAGTTACT
GGTGCCAGGGATGGGAGGGACAAGCCCATCTGCAGATGGGACGCGCTGCCTGTCTAAGGAGGGGCCCTC
CCCGGTGGCCCCAAACCCACAGCAGGAGTGGACAGCATGGCGAGAGAGGAGGTGTACAGGCTGCAGGCT
CGGTTGATGTGCTAGAACAAGAACTGCAGTTGGTGTGGCCCCACTGCACAGCCTGGCCTCTCGGTCCA
CAGAGCATGGGCTACAAGATCCTGGCAGCCTGCTGGCCATTCTTCCAGCAGCTGGACCGAATTGATTC
ACTGAGCTCCTGCAAAAAAGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215755 representing NM_198725
Red=Cloning site Green=Tags(s)

MQTMWGSSELLVAWFLVLAADGTTEHVYRPSRRVCTVGISGGSISETFVQRVYQPYLTTCDGHRACSTYR
 TIYRTAYRRSPGVTPARPRYACCPGWKRTSGLPGACGAAICQPPCGNGGSCIRPGHCRCPVWQGDTCQT
 DVDECSTGEASCPQRCVNTVGSYWCQGWEGQSPSADGTRCLSKEGPPSPVAPNPTAGVDSMAREEVYRLQA
 RVDVLEQKLQLVLAPLHSLASRSTEHLQDPGSLLAHSFQQLDRIDSLSSCKKDL

TRTRPLE - GFP Tag - V

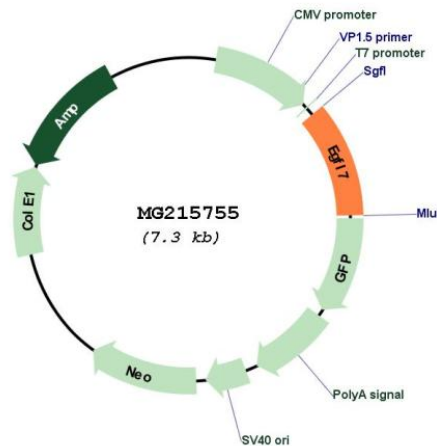
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_198725

ORF Size: 795 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_198725.2 , NP_942018.2
RefSeq Size:	1365 bp
RefSeq ORF:	798 bp
Locus ID:	353156
UniProt ID:	Q9QXT5
Cytogenetics:	2 A3
Gene Summary:	Regulates vascular tubulogenesis in vivo. Inhibits platelet-derived growth factor (PDGF)-BB-induced smooth muscle cell migration and promotes endothelial cell adhesion to the extracellular matrix and angiogenesis.[UniProtKB/Swiss-Prot Function]