

Product datasheet for MR203689

Egfl7 (NM_001164564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egfl7 (NM_001164564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Egfl7
Synonyms:	VE-statin; Zneu1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203689 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGGCTCCGGAGAAGCTGCTGTAGCATGGTTTCTAGTGTTGGCAGCAGATGGTACTACTGAGCATG
TCTACAGACCCAGCCGTAGAGTGTGTACTGTGGGGATTTCCGGAGGTTCCATCTCGGAGACCTTTGTGCA
GCGTGTATACCAGCCTTACCTCACCCTTGCACGACGACAGAGCCTGCAGCACCTACCGAACCATCTAC
CGGACTGCCTATCGCCGTAGCCCTGGGGTACTCCCGAAGGCCCTCGCTATGCTTGCTGCCCTGGTTGGA
AGAGGACCAGTGGGCTCCCTGGGGCTTGTGGAGCAGCAATATGCCAGCCTCCATGTGGGAATGGAGGGAG
TTGCATCCGCCAGGACTGCCGCTGCCCTGTGGGATGGCAGGGAGATACTTGCCAGACAGATGTTGAT
GAATGCAGTACAGGAGAGGCCAGTTGTCCCGAGCGCTGTGTCAATACTGTGGGAAGTTACTGGTGCCAGG
GATGGGAGGGACAAGGCCATCTGCAGATGGGACGCGCTGCCTGTCTAAGGAGGGGCCCTCCCGGTGGC
CCCAAACCCACAGCAGGAGTGGACAGCATGGCGAGAGAGGAGGTGTACAGGCTGCAGGCTCGGGTTGAT
GTGCTAGAACAGAAACTGCAGTTGGTGTGGCCCACTGCACAGCCTGGCCTCTCGGTCCACAGAGCATG
GGCTACAAGATCCTGGCAGCCTGCTGGCCATTCTCCAGCAGCTGGACCGAATTGATTACTGAGTGA
GCAGGTGTCTTCTTGGAGGAACATCTGGGGTCTGCTCTGCAAAAAAGATCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR203689 protein sequence
Red=Cloning site Green=Tags(s)

MWGSSELLVAWFLVLAADGTTEHVYRPSRRVCTVGISGGISSETFVQRVYQPYLTTCDGHRACSTYRTIY
 RTAYRRSPGVTPARPRYACCPGWKRTSGLPGACGAAICQPPCGNGGSCIRPGHCRCPVWGQDTCQTDVD
 ECSTGEASCPQRCVNTVGSYWCQWEGQSPSADGTRCLSKEGSPVAPNPTAGVDSMAREEVYRLQARVD
 VLEQKLQLVLAPLHSLASRSTEHLQDPGSLLAHSFQQLDRIDSLSEQVSFLEEHLGSCSCKDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001164564

ORF Size: 828 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_001164564.2](#)

RefSeq Size: 1180 bp

RefSeq ORF: 837 bp

Locus ID: 353156

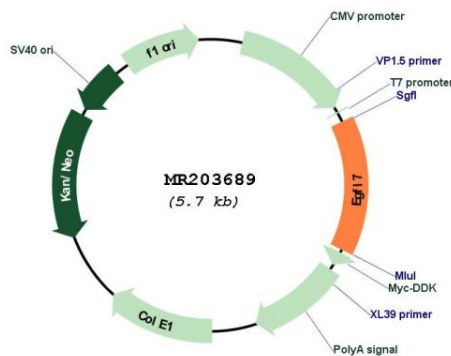
UniProt ID: [Q9QXT5](#)

Cytogenetics: 2 A3

MW: 29.8 kDa

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]

Product images:



Circular map for MR203689