

Product datasheet for **MG203689**

Egfl7 (BC024610) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egfl7 (BC024610) 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:	>MG203689 representing BC024610 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGGCTCCGGAGAAGCTGCTGTAGCATGGTTTCTAGTGTGGCAGCAGATGGTACTACTGAGCATG
TCTACAGACCCAGCCGTAGAGTGTGTACTGTGGGGATTTCCGGAGGTTCCATCTCGGAGACCTTTGTGCA
GCGTGTATACCAGCCTTACCTACCACTTGGCAGCGACACAGAGCCTGCAGCACCTACCGAACCATCTAC
CGGACTGCCTATCGCCGTAGCCCTGGGGTACTCCGCAAGGCCCTCGCTATGCTTGCTGCCCTGGTTGGA
AGAGGACCAGTGGGCTCCCTGGGGCTTGTGGAGCAGCAATATGCCAGCCTCCATGTGGGAATGGAGGGAG
TTGCATCCGCCCAGGACTGCCGCTGCCCTGTGGGATGGCAGGGAGATACTTGCCAGACAGATGTTGAT
GAATGCAGTACAGGAGAGGCCAGTTGTCCCGAGCGCTGTGTCAATACTGTGGGAAGTTACTGGTGCCAGG
GATGGGAGGGACAAAGCCCATCTGCAGATGGGACGCGCTGCCTGTCTAAGGAGGGGCCCTCCCGGTGGC
CCCAAACCCACAGCAGGAGTGGACAGCATGGCGAGAGAGGAGGTGTACAGGCTGCAGGCTCGGGTTGAT
GTGCTAGAACAGAACTGCAGTTGGTGTGGCCCCACTGCACAGCCTGGCCTCTCGGTCCACAGAGCATG
GGCTACAAGATCCTGGCAGCCTGCTGGCCATTCTTCCAGCAGCTGGACCGAATTGATTACTGAGTGA
GCAGGTGTCTTCTTGGAGGAACATCTGGGGTCTGCTCCTGCAAAAAAGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203689 representing BC024610
 Red=Cloning site Green=Tags(s)

MWGSSELLVAWFLVLAADGTTEHVYRPSRRVCTVGISGGISSETFVQRVYQPYLTTCDGHRACSTYRTIY
 RTAYRRSPGVTPARPRYACCPGWKRTSGLPGACGAAICQPPCGNGGSCIRPGHCRCVPVWQGDTCQTDVD
 ECSTGEASCPQRCVNTVGSYWCQWEGQSPSADGTRCLSKGSPVAPNPTAGVDSMAREEVYRLQARVD
 VLEQKLQLVLAPLHSLASRSTEHLQDPGSLLAHSFQQLDRIDSLSEQVSFLEEHLGSCSCKKDL

TRTRPLE - GFP Tag - V

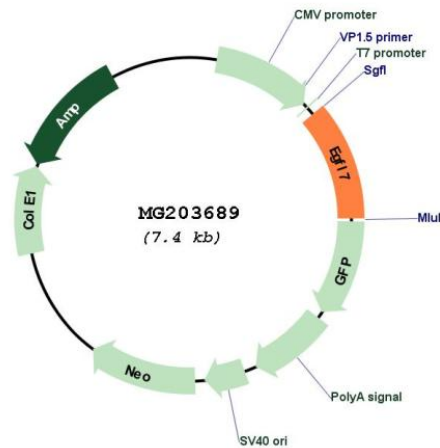
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC024610

ORF Size: 827 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:	BC024610 , AAH24610
RefSeq Size:	1386 bp
RefSeq ORF:	827 bp
Locus ID:	353156
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]