

Product datasheet for **SC114429**

EGFL7 (NM_016215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EGFL7 (NM_016215) Human Untagged Clone
Tag:	Tag Free
Symbol:	EGFL7
Synonyms:	NEU1; VE-STATIN; ZNEU1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114429 sequence for NM_016215 edited (data generated by NextGen Sequencing)

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ATGAGGGGCTCTCAGGAGGTGCTGCTGATGTGGCTTCTGGTGTGGCAGTGGCGGCACA
GAGCACGCCTACCGGCCCGCCGTAGGGTGTGTGCTGTCCGGGCTCACGGGGACCTGTC
TCCGAGTCGTTTCGTGCAGCGTGTGTACCAGCCCTTCTCACACCTGCGACGGGCACCGG
GCCTGCAGCACCTACCGAACCTATATAGGACCGCCTACCGCCGACGCCCTGGGCTGGCC
CCTGCCAGGCCTCGCTACGCGTGTGCCCCGGCTGGAAGAGGACCAGCGGGCTTCTGGG
GCCTGTGGAGCAGCAATATGCCAGCCGCCATGCCGGAACGGAGGGAGCTGTGTCCAGCCT
GGCCGCTGCCGCTGCCCTGCAGGATGGCGGGGTGACACTGCCAGTCAGATGTGGATGAA
TGCAGTGTAGGAGGGGGCGGCTGTCCCCAGCGCTGCGTCAACACCGCCGGCAGTTACTGG
TGCCAGTGTGGGAGGGGCACAGCCTGTCTGCAGACGGTACACTCTGTGTGCCAAAGGA
GGCCCCCAGGGTGGCCCCAACCAGACAGGAGTGGACAGTGAATGAAGGAAGAAGTG
CAGAGGCTGCAGTCCAGGGTGGACCTGTGGAGGAGAAGCTGCAGCTGGTGTGGCCCCA
CTGCACAGCCTGGCCTCGCAGGCACTGGAGCATGGGCTCCCGGACCCCGGACGCTCCTG
GTGCACTCCTTCCAGCAGCTCGGCCGCATCGACTCCCTGAGCGAGCAGATTTCTTCTG
GAGGAGCAGCTGGGGTCTGCTCCTGCAAGAAAGACTCGTGA
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Clone variation with respect to NM_016215.4



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016215 unedited
 TTAGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCCGGATCC
 GGCGGCCACCCAGAGGAGAAGGCCACCCCGCTGGAGGCACAGGCCATGAGGGGCTCTCA
 GGAGGTGCTGCTGATGTGGCTTCTGGTGTGGCAGTGGGCGGCACAGAGCACGCCTACCG
 GCCCGCCGTAGGGTGTGTGCTGTCGGGCTCACGGGGACCCTGTCTCCGAGTCGTTCTG
 GCAGCGTGTGTACCAGCCCTTCTCACCACCTGCGACGGGCACCGGGCTGCAGCACCTA
 CCGAACCATCTATAGGACCGCCTACCGCCGACGCCCTGGGCTGGCCCTGCCAGGCCTG
 CTACGCGTGTGCCCGCTGGAAGAGGACCAGCGGGCTTCTGGGGCTGTGGAGCAGC
 AATATGCCAGCCGCCATGCCGGAACGGAGGAGCTGTGTCCAGCCTGGCCGCTGCCGCTG
 CCCTGCAGGATGGCGGGGTGACACTTGCCAGTCAGATGTGGATGAATGCAGTGTAGGAG
 GGGCGGCTGTCCCAGCGCTGCGTCAACACCGCCGGCAGTTACTGGTGCCAGTGTGGGA
 GGGGCACAGCCTGTCTGCAGACGGTACACTCTGTGTGCCNAAGGAGGGCCCCCAGGGT
 GGCCCCAACCCGACAGGAGTGGACAGTGAATGAAGGAAGAAGTGCAGAGGCTGCAGTC
 CAGGGTGGACCTGCTGGAGGAGAGCTGCAGCTGGTGTGGCCCCACTGCACAGCCTGGCC
 TCGCNAGCACTGGAGCATGGGCTCCNGACCCGGCAGCCTNCTGGTGCACNTCTTNCAGC
 AGCTCGGCGCATCGACTCCCTGAGCGAGCAGATTCCTTTCTGGAGAGCAGCTGGGGTCC
 TGCTCCTGCANGAAGACTCGTGACTGCCAGCGCCAGCTGNGACTGAGCCCTCACGCCG
 CCTGCAGCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016215 unedited
 CCTCTCTTTTTTGTGCTGGGGTGCAGGNACAGCCCCACTGNAGGCCCCACCCAG
 CCTCCGGGCTGCCTGGCCTGTGCCATGGGTCCCAGGCTCCAGCAGGGAGCTCGTACCTTC
 CCTCAGCTGAGGGCCACCTGGCCTTGGGATGCCGTTGGGGTAGCCAGGGTGGGGTAGC
 CAGGGGTGGATTACAGAGAAGATCCCAGCCATCCCATGCCAGGGTCTGGGGAGCCTCC
 CGAGGAAGGGGAGGAGGAAGAGGAGGAAGGCCCTGCCTGGCCTCCGCTCAGTACCCCCG
 AGGTGGTTTCTGGACCCACAGCATGTTGGGCAGGGCATGGGGCTGCAGGGCGGCGTGA
 GGGGCTCAGTCCAGCCTGGGGCGCTGGGCAGTACAGAGTCTTCTTGCAGGAGCAGGACC
 CCAGCTGCTCCTCCAGGAAGGAAATCTGCTCGCTCAGGGAGTCCGATGCGGCCGAGCTGCT
 GGAAGGAGTGCACCACGAGGCTGCCGGGTCCGGGAGCCATGCTTCAGTGCCTGCGAGG
 CCAGGCTGCGCATTGGGGCCAGCACCAGCTGCTGCTTCTCCTCCAGCAGGTTACCCTGG
 ACTGCAGCCTCTGCACCTTTTACTTCACTTGCAGTGTCCACTCCTGTCCGGTTTGGGGCCA
 CCCTGGGGGGCCCTCCTTTGGGCACACATATTGTACCGCTTGCAGACAGGCTGTGCCCC
 TCCCACTCTGGTACCATAACCTGCCGCGGGTTGAACCACGCTGGGGACAACCGCCCTT
 CTAGCACTGGATTACATCTACATCTGACTGTAAGTGGCACCCCGCCATCCTGCAGGGACTG
 GCACGGGTGAGCTGGACAAGATTCTTCTCTCCGAGGGCGCTTGGATTTTGTGGTCC
 CAGGCCAAGAACTCTCGGTCTCTTCATC

Restriction Sites:

NotI-NotI

ACCN:

NM_016215

Insert Size:

1200 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_016215.3](#), [NP_057299.1](#)

RefSeq Size: 1569 bp

RefSeq ORF: 822 bp

Locus ID: 51162

UniProt ID: [Q9UHF1](#)

Cytogenetics: 9q34.3

Domains: EGF_CA, EGF, EGF

Protein Families: Secreted Protein

Gene Summary:

This gene encodes a secreted endothelial cell protein that contains two epidermal growth factor-like domains. The encoded protein may play a role in regulating vasculogenesis. This protein may be involved in the growth and proliferation of tumor cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.