

## Product datasheet for **SC114657**

### EGFL6 (NM\_015507) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EGFL6 (NM_015507) Human Untagged Clone
Tag:	Tag Free
Symbol:	EGFL6
Synonyms:	MAEG; W80
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC114657 sequence for NM\_015507 edited (data generated by NextGen Sequencing)

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ATGCCTCTGCCCTGGAGCCTTGCCTCCCGCTGCTGCTCTCTGGGTGGCAGGTGGTTTC
GGGAACCGCGCCAGTGCAAGGCATCACGGGTTGTTAGCATCGGCACGTCAGCCTGGGGTC
TGTCACATGGAATAAAGTGGCTGCTGCTACGGCTGGAGAAGAAGCAAGGGAGTC
TGTGAAGTACATGCGAACCTGGATGTAAGTTTGGTGAGTGCCTGGGACCAACAATGC
AGATGCTTTCCAGGATACACCGGAAAACCTGCAGTCAAGATGTGAATGAGTGTGAATG
AAACCCCGCCATGCCAACACAGATGTGTGAATACACACGGAAGCTACAAGTGTCTTTGC
CTCAGTGGCCACATGCTCATGCCAGATGCTACGTGTGTAAGTCTAGGACATGTGCCATG
ATAAACTGTCAGTACAGCTGTGAAGACACAGAAGAAGGGCCACAGTGCCTGTGTCCATCC
TCAGGACTCCGCCTGGCCCCAAATGGAAGAGACTGTCTAGATATTGATGAATGTGCCTCT
GGTAAAGTCACTGTCCCTACAATCGAAGATGTGTGAACACATTTGGAAGCTACTACTGC
AAATGTCACATTTGGTTTCGAACTGCAATATATCAGTGGACGATATGACTGTATAGATATA
AATGAATGTACTATGGATAGCCATACGTGCAGCCACCATGCCAATTGCTTCAATACCCAA
GGGTCTTCAAGTGTAAATGCAAGCAGGGATATAAAGGCAATGGACTTCGGTGTCTGCT
ATCCCTGAAAATTCTGTGAAGGAAGTCCCTCAGAGCACCTGGTACCATCAAAGACAGAATC
AAGAAGTTGCTTGTCCAAAAACAGCATGAAAAAGAAGGCAAAAATTAATAATGTTACC
CCAGAACCACCAGGACTCCTACCCCTAAGGTGAAGTGCAGCCCTTCAACTATGAAGAG
ATAGTTTCCAGAGGCGGGAAGTCTCATGGAGGTAAAAAGGGAATGAAGAGAAAAAGAAA
GAGGGGCTTGAGGATGAGAAAAGAGAAGAGAAAGCCCTGAAGAATGACATAGAGGAGCGA
AGCCTGCGAGGAGATGTGTTTTCCCTAAGGTGAATGAAGCAGGTGAATTCGGCTGATT
CTGGTCCAAAGGAAAGCGCTAACTTCCAACTGGAACATAAAGATTTAAATATCTCGGTT
GACTGCAGCTTCAATCATGGGATCTGTGACTGGAACAGGATAGAGAAGATGATTTTGAC
TGAATCCTGCTGATCGAGATAATGCTATTGGCTTCTATATGGCAGTTCGGCCTTGCCA
GGTCACAAGAAAGACATTGGCCGATTGAAACTTCTCTACCTGACCTGCAACCCCAAGC
AACTTCTGTTTGTCTTTGATTACCGGCTGGCCGGAGACAAAGTCGGGAACTTCGAGTG
TTTGTGAAAAACAGTAACAATGCCCTGGCATGGGAGAAGACCACGAGTGAGGATGAAAAG
TGAAGACAGGAAAAATTCAGTTGTATCAAGGAAGTGTGCTACCAAAAGCATCATTTTT
GAAGCAGAACGTGGCAAGGGCAAAACCGCGGAAATCGCAGTGGATGGCGTCTTGCTGTT
TCAGGCTTATGTCCAGATAGCCTTTTATCTGTGGATGACTGA
    
```

Clone variation with respect to NM\_015507.3

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_015507 unedited
ATTTTGTACTACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCCAGCTTCAT
CCGCAGAGGAGCCTCGGCCAGGCTTGCCAGGGCGCCCCAGCCCTCCCCAGGCCGCGAG
CGCCCTGCCCGGTTGCTTGGCTCCCTCCAGACTGCAGGGACAGCACCCGGTAACTG
CGAGTGGAGCGGAGGACCCGAGCGGCTGAGGAGAGAGGAGGCGGGCCTTAGCTGTACG
GGTCCGCGCCGGCCCTCCCGAGGGGGCTCAGGAGGAGGAAGGAGGACCCGTGCGAGA
ATGCCTCTGCCCTGGAGCCTTGCCTCCCGCTGCTGCTCTCTGGGTGGCAGGTGGTTTC
GGGAACCGCGCCAGTGCAAGGCATCACGGGTTGTTAGCATCGGCACGTCAGCCTGGGGTC
TGTCACATGGAATAAAGTGGCTGCTGCTACGGCTGGAGAAGAAGCAAGGGAGTC
TGTGAAGTACATGCGAACCTGGATGTAAGTTTGGTGAGTGCCTGGGACCAACAATGC
AGATGCTTTCCAGGATACACCGGAAAACCTGCAGTCAAGATGTGAATGAGTGTGAATG
AAACCCCGCCATGCCAACACAGATGTGTGAATACACACGGAAGCTACAAGTGTCTTTGC
CTCAGTGGCCACATGCTCATGCCAGATGCTACGTGTGTAAGTCTANGACATGTGCCATG
ATAAACTGTCAGTACAGCTGTGAAGACACAGAAGAAGGCCACAGTGCCTGTGTCATCCT
CANGACTNCGCCTGGCCCCAATGGGAGAGACTGTCTAGATATGATGATGTGCCTCTGGTA
AGTCATCTGCTACATCGAAGAGTGTGA
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_015507 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGATGATTTGGATATTATTATTACAAAGAATT TAAATATAACAAGTTTGGCTATGAAAGACCCAGCTAAGCCACTTAGGCAAAAAGTCTATCTT TGATGTCATAGTTTCCAAGAAGTATCATAAGAGTCAAACAGTTAAACATTTCTCTGTGCT TTTTTTCTATTTCTAGAAATGTTGTAGAGAGAAGCTCATCAACTTACTTATACAAATC AGATATACTGAGGAGGGGAGATAAACTGACATTTCCATATTTTATAATATAATGTGGAAA GATTCAGAAATGACTGAGAAGTACAGTGATATGATATTTAAAGCAAATATTGGCATATC TTATACAAGAAAGGCATCTTACAATAATTTCTGTTGGTACATTACAATTTTTTCAGCTA GTAATTCTAAAATGCCAGAGGTCCTATGATGCAATATCAAAAAAACAGGGAAGTACAT ACAAAGTCAAATATTAAGATAGTAACATTCAGTCATCCACAGATAAAAGGCTATCTGGGA CATAGCCTGAAACAAGCAAGACGCCATCCACTGCGATTTCCGCGTTTTGCCCTTGACAG TTCTGCTTAAAAATGATGCTTTTGTAGCATCAAGTCCTTGATACACTGAATTTCCCTGT CTCCTTTTTATCCTCACTCGGGNCTTTCCATGCCAGGGCATTGTTCTGTCTTTTCC AAACACTCGAGTTTTCCGACTTTGCTTCCGCCAGCCCGTAATCAAAGAGCAAACACAAT TGCTCTGGGGTCCAGGTCACGTAAGAAAAATTTACATCGGCACATGCTTCTGTGACCT GCCAAGCCGGAACGCCTTATAAACCCATTCTTCTTTTCGTACAGGATTCAGCCAAATAT TTTTTCTTCTGTTCCTTCCCAATCCTTATGGAGCTCCCCACCAAATTTAACTCGTT TAGTCCACTGGGAGAACCTCTTTCTTTGGACTATACCGCAATATCCGCTCTTTTCTTAG TAACACCTCCTCN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015507
<b>Insert Size:</b>	2780 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_015507.2</a> , <a href="#">NP_056322.2</a>
<b>RefSeq Size:</b>	2398 bp
<b>RefSeq ORF:</b>	1662 bp
<b>Locus ID:</b>	25975
<b>UniProt ID:</b>	<a href="#">Q8IUX8</a>
<b>Cytogenetics:</b>	Xp22.2

**Domains:** MAM, EGF\_CA, EGF, EGF

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a member of the epidermal growth factor (EGF) repeat superfamily. Members of this superfamily are characterized by the presence of EGF-like repeats and are often involved in the regulation of cell cycle, proliferation, and developmental processes. The gene product contains a signal peptide, suggesting that it is secreted; an EGF repeat region consisting of 4 complete EGF-like repeats and 1 partial EGF-like repeat, 3 of which have a calcium-binding consensus sequence; an arg-gly-asp integrin association motif; and a MAM domain, which is believed to have an adhesive function. This gene is expressed early during development, and its expression has been detected in lung and meningioma tumors.

[provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform.