

## Product datasheet for SC305392

### EMILIN2 (NM\_032048) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EMILIN2 (NM_032048) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMILIN2
Synonyms:	EMILIN-2; FOAP-10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_032048 edited  
 CCGAGCCTTTGCCTTCGCGGGCGGCC:CTGGCCGCCGAGCCTTGTGGCCGGTGCC  
 CCGATCCGCGCGCTCCGACCCGGGCGAGCGGGCGCGCCCGTGC CGCGGGATGTGG  
 CAGCCCCAGACGGCCCTGGCCCCGCTGCCCTGGCGCTGGGCGCTGGCGCTGCTGGCCCTG  
 GTTGGCGCGGGGCTGTGCCACGCCGCGCCGAGCCGGGTATCCCGCGGGCCCGAGCCG  
 AGGAACAAGAAGTGGTGCCTACATCGTGAACAAGAATGTGAGCTGCTCCGTGTGGAG  
 GGAAGTGAGAGTTTTATTAGGCTCAGTACAAGTGTGCCTGGAACAGATGCCCTGTCCG  
 TCGGCGTGGTGTATCGAGTGAAGTTCAGACCTAGATATGCTACTAGGTATAAGACAGTG  
 ACACAGTTGGAATGGAGGTGCTGTCTGGCTTTAGAGGGGAGATTGCCAAGAAGTCCC  
 AAAGACCCGTAAGACCCTCCGCCACGCCGGCTCGGCCTCGAAATAGCTTGAAGAAA  
 GCCACAGATAATGAACCCAGCAATTCTCAGAGCCAGGAAGACTTTGTCCCAACTGGT  
 ACAGCACAACCAAGCTGGGGGTAGATCCAAAAGAGGGGCTCAGGAACCTCAGGAAAAG  
 AAGATACAGGTGCTAGAGGAGAAGTCTTCTCGACTCACAAGGACGTTCTTGACCTCCAG  
 TCTTCCCTTGGTGGAGTGAAGTCAAAATCTCAAACATGCCACTCAGGATGATGCCAGTAGA  
 ACACGGGCACCAGGGCTCAGCAGCCAGCACCCCAAGCCTGACACCACTGTTAGTGGAGAC  
 ACAGAAACGGCCAGAGTCTGGTGTCTCAACACTAAGGAATCTGGCATGAAGGACATC  
 AAGTCTGAATTGGCTGAAGTCAAAGATACTCTAAAGAACAAAAGTGACAAGCTGGAAGAG  
 CTGGATGGAAGTGAAGGGCTACGAAGGCAGCTCAGACAGCTCCAGGAAGCAGCTCAG  
 GGCCCCGCGTGACCATGACAACCAACGAAGTCTACCAAGCCTATGTGGACAGTAAGATC  
 GAGCCCTGAGAGAGGAGCTCATGGAGGCATGGACAGAAAAGCTGGCTGACCTGAAAAAC  
 TCATGTGAGTACAAGCTCACTGGCTCCAGCAGAGTGTGATGACTATGGGAGCAGCTAC  
 CTGGGAGTGATAGAGCTCATAGGGGAGAAGGAAACAAGCCTGAGAAAAGAAATAAATAAC  
 CTCCGAGCCCGCTACAGGAGCCTCAGCCAGGCAAATTGCTGCGACAGTGAAAAGAAT  
 GGTGACATTGGTCAACAGATCAAGACATTGGACCAGAAAATCGAGAGAGTTGCTGAAGCC  
 ACCAGAATGCTGAATGGAAGACTGGACAATGAGTTTGACCGCCTTATAGTTCCAGAGCCA  
 GATGTGGATTTTATGCAAAATGGAATGAACTCGATGCAAGGATCAATGTGACGGAGAAG  
 AACGCTGAAGAACATTGCTTTTACATTGAGGAAACCTTCGGGGGCCATTAATGGAGAG



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GTGGGTGACTTGAAGCAGCTTGTGATCAGAAAATACAGTCTCTGGAAGACCGTCTGGGG  
 AGCGTTCTCTACAGATGACCAATAACACTGGTGCAGAGCTCAGTCCCCAGGGGCAGCA  
 GCCCTGCCAGGAGTGTACGGGTGAGGATGAACGGGTGATGATGGAATTAACACCTG  
 AAGGACAAAGTTCAAGTTGTTGAAGACATTTGCCTGCTGAACATCCAGGGAAAGCCTCAT  
 GGGATGGAAGGTGCCTTGCCAAACAGGGAAGACCGCGCAGTACGCGACAGCCTGCACCTT  
 TTGAAATCTCTCAACGACAGATGCACAGGAAGTTTCAAGAAACCGAACAACCATCCAG  
 AAACCTTCAACAGGATTTTAGTTTTCTTTATTCTCAATTAACACACAGAAAATGATGTG  
 ACTCATTTCAAAAGGAAATGAGCAATTGTAGAGCAGGTGAAAACGCTGGCATGGGTAGG  
 TTTCACTAAGGTGGGTGAGCAAGAAAGGACAGTGGACACCCTGCCGTCCCCCAGCACCCC  
 GTGGCTCATTGCTGCAGTCACTGGAGGAGAGGTGGCAGAGGTTGCAGAGCCAGGTCATC  
 TCGGAGCTGGATGCTTGAAGGAATGCACGACGGGGTCCAGAGGGAGGTCTCCATGGTG  
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 CTTTCAAGGATCAAGGAGGGCTCAACAAGCATGTCAGCAGCCTGTGGAAGTGTGCAGG  
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 CAGCAGTTCTACAGCCAGTCTTCCAGATTTCTACTGATTTGCAAGATCTGGTCAATTT  
 CAGCCATCAGCAAAGGCACCCTCGCCCCGCGCCCGCAGAGGCCCCGAAGGAGCCGCTG  
 CAGCCCCAGCCCCCCCCGAGGCCACGCGGCCCGCAACCGCAGAGGACCCTGGGCGA  
 CGGCCCGTCTGCCCCAGCGGCCCCCCGAGGAGAGGCCCGCCAGCCGCCAGGCTCCACC  
 GGGGTCTCGCGGAGACGGGCCAGGCCGGGGCCCCCGCAGGCGCAGGCGTGTCTGGGCGG  
 GGTCTGCCCGGGGGCGTGGACGGCCAGACCGGGAGCGGCACCGTCCCCGGCGCAGAAGGC  
 TTCGCGGGCGCACAGGATACCGAAGTCACTCCTGTAGCTTCCCCAGGAGCTCCGGTG  
 CCTTCTCTGGTGTCTTTTTCTGCGGGGCTCACCCAGAAGCCTTTCCCCAGTGTGGGGG  
 GTTGTCTCTTTAACAAAGTGTGGTGAACGACGGGGATGTTTACAACCCAGCACCGGG  
 GTCTTACGGCTCCTTATGATGGGCGTACCTGATCACGGCCACCCTCACCCCCGAGAGA  
 GACGCCTACGTGGAAGCAGTGTGTGCGTCTCCAACGCCAGCGTGGCCAGCTGCATACC  
 GCTGGGTACAGGAGAGAGTTCTTGAATACCACCGCCCTCCAGGAGCTTTGCATACCTGC  
 GGGGGCCCCGGGGCATTCCACCTCATCGTGCACCTGAAGGCGGGAGATGCAGTCAACGTC  
 GTGGTACTGGGGCAAGCTGGCTCACACAGACTTTGATGAAATGTAAGTCCACATTTAGT  
 GGGTTTTTCTTATATCCTTTCTTTCCACCTTAAGGTGGCTGGGGAGATGTCAGGGGA  
 AAGATAGATAGTTGTA AAAACTCTAAAGCTTTAATATATTCGGTTTGTATGTAATGGAAG  
 CACGGGGCTAGAGTTTCCACATAGGCCCAACATAAAGGCCTTCCCTCGCTGTTGAGGCC  
 ACCATGCCTTACTGCATCCAGCCAGGCTGCAGAGAGTGAGGCACACGGTGAACATGGCCA  
 CTGACTTTTCTGCCACTTAACTGGACAAGTGAAGACTTGAAAAGGCCTCCACCTGTAT  
 CTACACTCTGAGGGCCCTGGACTGGGCCTGAGCTTGCCACAGAGGCTCCGTCTGACTGTG  
 GGCTGGGAGGAGGGAGGCAGGGGAGAGCCGGTACGGTGGCTGGTCTTTACTGCAGGGCA  
 GCACTGTGGCCAGCTGTCTGTCTTTACTGTCATGCAGAAGTTTAAACACTGAAGTGCCG  
 AAGTGGCCCGTCCCGCCGACAGAGACCCGACTTTAGTTGGCTGTTGCACGCTTGGC  
 TCACCATTTGCCACCTGGGACTTAACTGCTCAGGCGGGCCTTCCGCCAGCTGCAAAATAGG  
 GATGCGTTAGAGACTGTTCCCAAAGCTTGTGGGC

**Restriction Sites:** Please inquire  
**ACCN:** NM\_032048  
**Insert Size:** 3900 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](mailto: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\\_032048.2](#), [NP\\_114437.2](#)

**RefSeq Size:** 4009 bp

**RefSeq ORF:** 3162 bp

**Locus ID:** 84034

**UniProt ID:** [Q9BXX0](#)

**Cytogenetics:** 18p11.32-p11.31

**Gene Summary:** May be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. Has cell adhesive capacity.[UniProtKB/Swiss-Prot Function]