

## Product datasheet for **SC323758**

### ANGPTL2 (NM\_012098) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL2 (NM_012098) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANGPTL2
Synonyms:	ARP2; HARP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_012098.2  
 GTTCAAATGAGGCTGCTGCGGACGGCCTGAGGATGGACCCCAAGCCCTGGACCTGCCGAG  
 CGTGGCACTGAGGCAGCGGCTGACGCTACTGTGAGGAAAGAAGGTTGTGAGCAGCCCCG  
 CAGGACCCCTGGCCAGCCCTGGCCCCAGCCTCTGCCGGAGCCCTCTGTGGAGGCAGAGCC  
 AGTGGAGCCCAGTGAGGCATGGCTGCTTGGCAGCCACCGGCTGCAACTCAGGAACCCCT  
 CCAGAGCCATGGACAGGCTGCCCCGCTGACGGCCAGGGTGAAGCATGTGAGGAGCCGCC  
 CCGGAGCCCAAGCAGGAGGAAGAGGCTTTCATAGATTCTATTACAAAGAATAACCACCA  
 TTTTGCAAGGACCATGAGGCCACTGTGCGTGACATGCTGGTGGCTCGGACTGCTGGCTGC  
 CATGGGAGCTGTTGCAGGCCAGGAGGACGGTTTTGAGGGCACTGAGGAGGGCTCGCCAAG  
 AGAGTTCAATTACCTAAACAGGTACAAGCGGGCGGGCAGTCCCAGGACAAGTGCACCTA  
 CACCTTCAATTGTGCCAGCAGCGGGTACGGGTGCCATCTGCGTCAACTCCAAGGAGCC  
 TGAGGTGCTTCTGGAGAACCAGTGCATAAGCAGGAGCTAGAGCTGCTCAACAATGAGCT  
 GCTCAAGCAGAAGCGGCAGATCGAGACGCTGCAGCAGCTGGTGGAGGTGGACGGCGGCAT  
 TGTGAGCGAGGTGAAGCTGCTGCGCAAGGAGAGCCGCAACATGAACTCGCGGGTACGCA  
 GCTCTACATGCAGCTCCTGCACGAGATCATCCGCAAGCGGGACAACGCGTTGGAGCTCTC  
 CCAGCTGGAGAACAGGATCCTGAACCAGACAGCCGACATGCTGCAGCTGGCCAGCAAGTA  
 CAAGGACCTGGAGCACAAGTACCAGCACCTGGCCACACTGGCCCAACAACCAATCAGAGAT  
 CATCGCGCAGCTTGGAGGCACTGCCAGAGGGTCCCTCGGCCAGGCCCGTCCCCAGCC  
 ACCCCCCGCTGCCCCGCCCCGGGTCTACCAACCACCCACTACAACCGCATCATCAACCA  
 GATCTCTACCAACGAGATCCAGAGTGACCAGAACCTGAAGGTGCTGCCACCCCTCTGCC  
 CACTATGCCCACTCTCACCAGCTCCCATCTTCCACCGACAAGCCGTGGGCCCATGGAG  
 AGACTCCTGCAGGCCCTGGAGGATGGCCACGACACCAGCTCCATCTACCTGGTGAAGCC  
 GGAGAACAACCAACCGCCTCATGCAGGTGTGGTGGCACCAGAGACACGACCCCGGGGGTG  
 GACCGTCATCCAGAGACGCTGGATGGCTCTGTTAACTTCTCAGGAACCTGGGAGACGTA  
 CAAGCAAGGGTTTTGGAAACATTGACGGCAATACTGGCTGGGCCTGGAGAACATTTACTG  
 GCTGACGAACCAAGGCAACTACAACTCCTGGTGACCATGGAGGACTGGTCCGGCCGCAA  
 AGTCTTTGCAGAAACGCCAGTTTCCGCTGGAACCTGAGAGCGAGTATTATAAGCTGCG  
 GCTGGGGCGTACCATGGCAATGCGGGTACTCCTTTACATGGCACAACGGCAAGCAGTT  
 CACCACCCTGGACAGAGATCATGATGTCTACACAGGAACTGTGCCCACTACCAGAAGGG  
 AGGCTGGTGGTATAACGCCTGTGCCACTCCAACCTCAACGGGGTCTGGTACCGCGGGG  
 CCATTACCGGAGCCGCTACCAGGACGGAGTCTACTGGGCTGAGTCCGAGGAGGCTCTTA  
 CTCACTCAAGAAAGTGGTATGATGATCCGACCGAACCCCAACACCTTCCACTAAGCCAG  
 CTCCCCCTCTGACCTCTCGTGGCCATTGCCAGGAGCCACCCTGGTACGCTGGCCACA  
 GCACAAAGAACTCCTCACCAGTTTCCTGAGGCTGGGAGGACCGGGATGCTGGATT  
 CTGTTTTCCGAAGTCACTGCAGCGGATGATGGAACCTGAATCGATACGGTGTCTTCTGTCC  
 CTCCTACTTTCTTACACCAGACAGCCCTCATGTCTCCAGGACAGGACAGGACTACAG  
 ACAACTCTTTCTTAAATAAATTAAGTCTCTACAATAAAAAACAACTGCAAAGTACCTT  
 CAAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_012098

**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\\_012098.2](#), [NP\\_036230.1](#)

**RefSeq Size:** 3572 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 23452

**UniProt ID:** [Q9UKU9](#)

**Cytogenetics:** 9q33.3

**Domains:** FBG

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

**Gene Summary:** Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action. [provided by RefSeq, Jul 2008]