

## Product datasheet for **SC304373**

### Angiopoietin 4 (ANGPT4) (NM\_015985) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angiopoietin 4 (ANGPT4) (NM_015985) Human Untagged Clone
Tag:	Tag Free
Symbol:	Angiopoietin 4
Synonyms:	ANG3; ANG4
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 sequence for NM\_015985 edited  
 CAGGCAAGCCTGGCCACTGTTGGCTGCAGCAGGACATCCCAGGCACAGCCCCTAGGGCTC  
 TGAGCAGACATCCCTCGCCATTGACACATCTTCAGATGCTCTCCCAGCTAGCCATGCTGC  
 AGGGCAGCCTCCTCTTGTGGTTGCCACCATGTCTGTGGCTCAACAGACAAGGCAGGAGG  
 CGGATAGGGGCTGCGAGACACTTGTAGTCCAGCACGGCCACTGTAGCTACACCTTCTTGC  
 TGCCCAAGTCTGAGCCCTGCCCTCCGGGGCCTGAGGTCTCCAGGGACTCCAACACCCTCC  
 AGAGAGAATCACTGGCCAACCCACTGCACCTGGGGAAGTTGCCACCCAGCAGGTGAAAC  
 AGCTGGAGCAGGCACTGCAGAACAACACGCACTGGCTGAAGAAGCTAGAGAGGGCCATCA  
 AGACGATCTTGAGGTGGAAGCTGGAGCAGGTCCAGCAGCAAATGGCCAGAATCAGACGG  
 CCCCCATGCTAGAGCTGGGACCCAGCCTCCTGAACCAGACCACTGCCAGATCCGCAAGC  
 TGACCGACATGGAGGCTCAGCTCCTGAACCAGACATCAAGAATGGATGCCAGATGCCAG  
 AGACCTTTCTGTCCACCAACAAGCTGGAGAACCAGCTGCTGCTACAGAGGCAGAAGCTCC  
 AGCAGCTTCAGGGCCAAAACAGCGCGCTCGAGAAGCGGTTGCAGGCCCTGGAGACCAAGC  
 AGCAGGAGGAGCTGGCCAGCATCCTCAGCAAGAAGGCGAAGCTGCTGAACAGCTGAGCC  
 GCCAGAGCGCCGCCCTCACCAACATCGAGCGCGGCTGCGCGGTGTCAGGCACAACCTCCA  
 GCCTCCTGCAGGACCAGCAGCACAGCCTGCGCCAGCTGCTGGTGTGTTGCGGCACCTGG  
 TGCAAGAAAGGGCTAACGCCTCGGCCCGGCTTCATAATGGCAGGTGAGCAGGTGTTCC  
 AGGACTGTGCAGAGATCCAGCGCTCTGGGGCCAGTGCCAGTGGTGTCTACACCATCCAGG  
 TGTCCAATGCAACGAAGCCAGGAAGGTGTTCTGTGACCTGCAGAGCAGTGGAGGAGGT  
 GGACCCTCATCCAGCGCCGTGAGAATGGCACCGTGAATTTTCAGCGGAACGGAAGGATT  
 ACAAACAGGGCTTCGGAGACCCAGCTGGGGAGCACTGGCTGGGCAATGAAGTGGTGCACC  
 AGCTCACCAGAAGGGCAGCCTACTCTCTGCGTGTGGAGCTGCAAGACTGGGAAGGCCACG  
 AGGCCTATGCCCCAGTACGAACATTTCCACCTGGGCAGTGAGAACCAGCTATACAGGCTTT  
 CTGTGGTTCGGGTACAGCGGCTCAGCAGGGCCAGAGCAGCCTGGTCTGCAAGAACCA  
 GCTTTAGCACCTTGACTCAGACAACGACCACTGTCTCTGCAAGTGTGCCCAAGTATGT  
 CTGGAGGGTGGTGGTTTACGCCTGTGGCCTGTCAAACCTCAACGGCGTCTACTACCAG  
 CTCCCCACAACAAGTACAAGATGGACGGCATCCGCTGGCACTACTTCAAGGGCCCCAGCT  
 ACTCACTGCGTGCCTCTCGCATGATGATACGGCCTTTGGACATCTAACGAGCAGCTGTGC  
 CAGAG

**Restriction Sites:** Please inquire

**ACCN:** NM\_015985

**Insert Size:** 1600 bp

**OTI Disclaimer:** 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).

**OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_015985.2.

**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\\_015985.2](#), [NP\\_057069.1](#)

**RefSeq Size:** 1955 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 51378

**UniProt ID:** [Q9Y264](#)

**Cytogenetics:** 20p13

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** Angiotensins are proteins with important roles in vascular development and angiogenesis. All angiotensins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The mechanism by which they contribute to angiogenesis is thought to involve regulation of endothelial cell interactions with supporting perivascular cells. The protein encoded by this gene functions as an agonist and is an angiotensin. [provided by RefSeq, Jul 2008]