

Product datasheet for **SC117192**

ANGPTL1 (NM_004673) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL1 (NM_004673) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANGPTL1
Synonyms:	ANG3; ANGPT3; AngY; ARP1; dj595C2.2; UNQ162
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117192 sequence for NM_004673 edited (data generated by NextGen Sequencing)

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ATGAAGACTTTTACCTGGACCCTAGGTGTGCTATTCTTCTACTAGTGGACACTGGACAT
TGCAGAGGTGGACAATTCAAAATTAATAAAATAAAACCAGAGAAGATACCCTCGTGCCACA
GATGGTAAAGAGGAAGCAAAGAAATGTGCATACACATTCTGGTACCTGAACAAAGAATA
ACAGGGCCAATCTGTGTCAACACCAAGGGGCAAGATGCAAGTACCATTAAGACATGATC
ACCAGGATGGACCTTAAAAACCTGAAGGATGTGCTCTCCAGGCAGAAGCGGGAGATAGAT
GTTCTGCAACTGGTGGTGGATGTAGATGGAACATTGTGAATGAGGTAAAGCTGCTGAGA
AAGGAAAGCCGTAACATGAACTCTCGTGTACTCAACTCTATATGCAATTATTACATGAG
ATTATCCGTAAGAGGGATAATTCACCTTGAACCTTCCCAACTGGAAAAAAAATCCTCAAT
GTCACCACAGAAATGTTGAAGATGGCAACAAGATACAGGGAACTAGAGGTGAAATACGCT
TCCTTGACTGATCTTGTCAATAACCAATCTGTGATGATCACTTTGTTGGAAGAACAGTGC
TTGAGGATATTTCCCGACAAGACCCATGTGTCTCCCCACTTGTCCAGGTGGTGCCA
CAACATATTCCTAACAGCCAACAGTATACTCCTGGTCTGCTGGGAGGTAAACGAGATTCAG
AGGGATCCAGGTTATCCCAGAGATTTAATGCCACCACCTGATCTGGCAACTTCTCCCACC
AAAAGCCCTTTCAAGATACCACCGTAACCTTTCATCAATGAAGGACCATTCAAAGACTGT
CAGCAAGCAAAAAGAGCTGGGCATTGCGTCAGTGGGATTATATGATTAACCTGAAAAAC
AGCAATGGACCAATGCAGTTATGGTGTGAAAAACAGTTTGGACCCTGGGGTTGGACTGTT
ATTCAGAAAAGAACAGACGGCTCTGTCAACTTCTTCAGAAATGGGAAAAATTATAAGAAA
GGGTTTGGAAACATTGACGGAGAATACTGGCTTGGACTGGAAAAATATCTATATGCTTAGC
AATCAAGATAATTACAAGTTATTGATTGAATTAGAAGACTGGAGTGATAAAAAAGTCTAT
GCAGAATACAGCAGCTTTCGTCTGGAACCTGAAAGTGAATTCTATAGACTGCGCCTGGGA
ACTTACCAGGGAATGCAGGGGATTCTATGATGTGCATATGTTGTAACAATTCACCACA
CTGGACAGAGATAAAGATATGTATGCAGGAACTGCGCCCACTTTCATAAAGGAGGCTGG
TGGTACAATGCCTGTGCACATTCTAACCTAAATGGAGTATGGTACAGAGGAGGCCATTAC
AGAAGCAAGCACCAAGATGGAATTTTCTGGGCCGAATACAGAGCGGGTCATACTCCTTA
AGAGCAGTTCAGATGATGATCAAGCCTATTGACTGA
    
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Clone variation with respect to NM_004673.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004673 unedited

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NGGTCCGAATTTTGTNATACGACTCACTATAGGCGGCCGCGGTTTACCATCTGAAAGGAG
CAAATCCTGACTTTTCGTTTCTTCTCTACTAGCTGGCAATATAGCAACTATGAAGAGAA
AAGCTACTAATAAAAATTAACCCAACGCATAGAAGACTTTTTTTTCTTCTTAAAAACAAC
TAAGTAAAGACTTAAATTTAAACACATCATTTTACAACCTCATTTCAAAATGAAGACTTT
TACCTGGACCCTAGGTGTGCTATTCTTCTACTAGTGGACACTGGACATTGCAGAGGTGG
ACAATTCAAAATTAATAAAATAAAACCAGAGAAGATACCCTCGTGCCACAGATGGTAAAGA
GGAAAGCAAGAAAATGTGCATACACATTCTGGTACCTGAACAAAGAATAACAGGGCCAAT
CTGTGTCAACACCAAGGGGCAAGATGCAAGTACCATTAAGACATGATCACCAGGATGGA
CCTTGA AACCTGAAGGATGTGCTCTCCAGGCAGAAGCGGGAGATAGATGTTCTGCAACT
GGTGGTGGATGTAGATGGAAACATTGTGAATGAGGTAAAGCTGCTGAGAAAGGAAAGCCG
TAACATGAACTCTCGTGTACTCAACTCTATATGCAATTATTACATGAGATTATCCGTAA
GAGGGATAATTCACTTGAACCTTCCCAACTGGAAAACANAATCCTCAATGCACCACAGA
AATGTTGAAGATGGGGCACAGATACAGGGAACTAGAGGTGAAATACGCTTNCCTTGACTGG
ATCTGTATAACCAATCTGTGATGATCACTTTGTTGGAAGAACAGTGCTGAGGATATTTT
CCCCGACAGACACCATGTGNTCTCCCCACTTGTNCAAGNTGGNTGCACAACATATTNCTAC
AGNNCACAGTATACTCCTGGTCTGCTGGGAGGTACGAGATCANAAG
    
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Restriction Sites:

NotI-NotI

ACCN:

NM_004673

Insert Size:

2100 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).
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:	<ol style="list-style-type: none">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_004673.3 , NP_004664.1
RefSeq Size:	3555 bp
RefSeq ORF:	1476 bp
Locus ID:	9068
UniProt ID:	O95841
Cytogenetics:	1q25.2
Domains:	FBG
Protein Families:	Druggable Genome, 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. The protein encoded by this gene is another member of the angiopoietin family that is widely expressed in adult tissues with mRNA levels highest in highly vascularized tissues. This protein was found to be a secretory protein that does not act as an endothelial cell mitogen in vitro. [provided by RefSeq, Jul 2008]