

Product datasheet for **SC122905**

Angiotensin like 7 (ANGPTL7) (NM_021146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angiotensin like 7 (ANGPTL7) (NM_021146) Human Untagged Clone
Tag:	Tag Free
Symbol:	Angiotensin like 7
Synonyms:	AngX; CDT6; dj647M16.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_021146 edited
CTTGTGGAGCATTGCGGGCTTGGAAAGGAAAGCTATAGGCTACCCATTTCAGCTCCCCTGTCA
GAGACTCAAGCTTTGAGAAAGGCTAGCAAAGAGCAAGGAAAGAGAGAAAAACAACAAAGTG
GCGAGGCCCTCAGAGTGAAGCGTAAAGTTTCAGTCAGCCTGCTGCAGCTTTGCAGACCTC
AGCTGGGCATCTCCAGACTCCCCTGAAGGAAGAGCCTTCTCACCCAAACCCACAAAAGA
TGCTGAAAAGCCTCTCTCAGCTGTGACCTGGCTCTGCATTTTCATCGTGGCCTTTGTCA
GCCACCCAGCGTGGCTGCAGAAGCTCTCTAAGCACAAGACACCAGCACAGCCACAGCTCA
AAGCGGCCAACTGCTGTGAGGAGGTGAAGGAGCTCAAGGCCAAAGTTGCCAACCTTAGCA
GCCTGCTGAGTGAAGTGAACAAGAAGCAGGAGAGGGACTGGGTACGCGTGGTTCATGCAGG
TGATGGAGCTGGAGAGCAACAGCAAGCGCATGGAGTCGCGGCTCACAGATGCTGAGAGCA
AGTACTCCGAGATGAACAACCAATTGACATCATGCAGCTGCAGGCAGCACAGACGGTCA
CTCAGACCTCCGAGATGCCATCTACGACTGCTTCCCTCTACCAGAAGAACTACCGCA
TCTCTGGAGTGTATAAGCTTCTCCTGATGACTTCTGGGCAGCCCTGAACTGGAGGTGT
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ACTTCTGGCTGGGAACGAACACATCCACCGGCTCTCCAGACAGCCAACCCGGCTGCGTG
TAGAGATGGAGGACTGGGAGGGCAACCTGCGCTACGCTGAGTATAGCCACTTTGTTTTGG
GCAATGAACTCAACAGCTATCGCCTCTTCTGGGAACTACACTGGCAATGTGGGAAACG
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GCTTGGACAAGTGTGCACAGCTCCGCAAAGGTGGCTACTGGTACAACCTGCTGCACAGACT
CCAACCTCAATGGAGTGTACTACCGCTGGGTGAGCACAATAAGCACCTGGATGGCATCA
CCTGGTATGGCTGGCATGGATCTACCTACTCCCTCAAACGGGTGGAGATGAAAATCCGCC
CAGAAGACTTCAAGCCTTAAAAGGAGGCTGCCGTGGAGCACGGATACAGAACTGAGACA
CGTGGAGACTGGATGAGGCGAGATGAGGACAGGAAGAGAGTGTAGAAAAGGGTAGGACTG
AGAAACAGCCTATAATCTCCAAAGAAAGAATAAGTCTCCAAGGAGCACAAAAAATCATA
TGTACCAAGGATGTTACAGTAAACAGGATGAACTATTTAAACCCACTGGGTCTGCCACA
TCCTTCTCAAGGTGGTAGACTGAGTGGGGTCTCTGCCCCAAGATCCCTGACATAGCAGT
AGCTTGTCTTTTCCACATGATTTGTCTGTGAAAGAAAATAATTTTGAGATCGTTTTATCT
ATTTTCTCTACGGCTTAGGCTATGTGAGGGCAAAACACAAATCCCTTTGCTAAAAAGAAC
CATATTATTTGATTCTCAAAGGATAGGCCTTTGAGTGTAGAGAAAGGAGTGAAGGAGG
CAGGTGGGAAATGGTATTTCTATTTTTAAATCCAGTGAATATCTTGAGTCTACACATT
ATTTTTAAACACAAAAATTGTTTCGGCTGGAACCTGACCCAGGCTGGACTTGCGGGGAGGA
AACTCCAGGGCACTGCATCTGGCGATCAGACTCTGAGCACTGCCCTGCTCGCCTTGGTC
ATGTACAGCACTGAAAGGAATGAAGCACCAGCAGGAGGTGGACAGAGTCTCTCATGGATG
CCGGCACAAAACCTGCCTTAAAATATTCATAGTTAATACAGGTATATCTATTTTTTTTAC
TTTGTAAGAAACAAGCTCAAGGAGCTTCCTTTTAAATTTTGTCTGTAGGAAATGGTTGAA
AACTGAAGGTAGATGGTGTATAGTTAATAATAAATGCTGTAATAAGCATCTCACTTTG
TAAAAATAAAATATTGTGGTTTTGTTTTAAACATTCAACGTTTCTTTTCTTCTACAATA
AACACTTTCAAAATGTGAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021146 unedited NNAACGATAGATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCTTGTG GAGCATTCCGGGCTTGAAGGAAAGCTATAGGCTACCCATTCAGCTCCCCTGTCAGAGACT CAAGCTTTGAGAAAGGCTAGCAAAGAGCAAGGAAAGAGAGAAAACAACAAAGTGGCGAGG CCCTCAGAGTGAAAGCGTAAGGTTCAAGTCAAGCTGCTGCAGCTTTGCAGACCTCAGCTGG GCATCTCCAGACTCCCCGAAGGAAAGAGCCTTCCCTCACCCAAACCCACAAAAGATGCTGA AAAAGCCTCTCTCAGCTGTGACCTGGCTCTGCATTTTCATCGTGGCCTTTGTCAGCCACC CAGCGTGGCTGCAGAAGCTCTCTAAGCACAAGACACCAGCACAGCCACAGCTCATAGCGG CCAACTGCTGTGAGGAGGTGAAGGAGCTCAAGGCCAAGTTGCCAACCTTAGCAGCTGCTG TGAGTGAAGTGAACAAGAAGCAGGAGAGGGACTGGGTCAGCGTGGTCATGCAGGTGATGG AGCTGGAGAGCAACAGCAAGCGCATGGAGTCGCGGCTCACAGATGCTGAGAGCAAGTACT CCGAGATGAACAACCAAAATTGACATCATGCAGCTGCAGGCAGCACAGACGGTCACTCAGA CCTCCGAGATGCCATCTACGACTGCTCTCCCTCTACCAGAAGATCTACCGCATCTCTG GAGTGATAAGCTTCTCTCTGATGACTTCTGGGCAGCCCTGAATGGGAGTGTCTGTG ACATGGAGACTTCANGCGGAGGCTGGACCATCATCCAGAGACGAAAAGTGGCCTTGTCTC TTCTACCGNAGCTGGAAGCAGTACAAGCAGGGCTTTTGCAGCATCCGTGGGACTTT
Restriction Sites:	Please inquire
ACCN:	NM_021146
Insert Size:	2255 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_021146.2 , NP_066969.1
RefSeq Size:	2255 bp
RefSeq ORF:	1041 bp
Locus ID:	10218
UniProt ID:	O43827
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (PubMed:21199193). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).[UniProtKB/Swiss-Prot Function]