

Product datasheet for **SC305938**

Angiomotin (AMOT) (NM_133265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angiomotin (AMOT) (NM_133265) Human Untagged Clone
Tag:	Tag Free
Symbol:	Angiomotin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_133265 edited
 CTTGGTCCCAAACAGGGAGACCATTACAGCTCACCTGCCTAGGCCGAGCAGCATTTCCT
 TCCTAATCAGGCTCACCAGGGGATCATTACCGTCTCTCCCAACCTGGCCTGAGTCAGCA
 GCAGCAGCAACAGCAGCAGCAGCACCATCATCACCATCACCACCAACAACAGCAGCAGCA
 GCAGCCACAGCAGCAGCCAGGAGAAGCCTATTCAGCTATGCCTCGGGCTCAGCCATCCTC
 TGCTTCTTATCAGCCAGTGCCAGCAGACCCTTTTGCCATTGTTTCCAGAGCCAGCAGAT
 GGTTGAGATCCTCTCAGACGAGAACCAGAACTGAGGCAAGAGTTGGAAGGATGCTATGA
 GAAGGTGGCAAGACTGCAGAAAGGTGGAGACAGAAATCCAGCGCTCTCGGAGGCATATGA
 GAACCTCGTGAAGTCATCCTCCAAAAGAGAGGCCCTAGAGAAAAGCCATGAGAAAACAGCT
 AGAGGGGAGAGATTCGGAGGATGCATGATTTCAACAGGGATCTGAGAGAGCGTCTAGAGAC
 TGCCAACAAGCAGCTTGCAGAGAAGGAATATGAGGGGTCAGAGGACACCAGAAAAACCAT
 CTCGCAGCTCTTTGCAAAAAATAAAGAAAGCCAGCGTGAGAAGGAGAAGCTGGAAGCGGA
 GCTGGCCACTGCCGTTCTACCAATGAGGACCAAGACGACACATCGAAATCCGAGATCA
 GGCCCTGAGTAATGCCAGGCCAAGGTGGTAAAGCTGGAAGAAGAGCTGAAAAAGAAGCA
 AGTGTACGTTGACAAGGTGGAGAAGATGCAGCAGGCCCTTGTACAGCTCCAGGCAGCATG
 TGA AAAACGTGAGCAGCTAGAGCACCGTCTCCGGACACGACTGGAGAGGGAACCTGGAATC
 CCTGAGAAATCCAGCAGCGTCAGGGCAACTGTACAGCCACCAACGTTTCAGAATACAAATGC
 TGCTGCACTGATGGAGCTCCTTCGGGAGAAAGAGGAGAGGATTCTGGCTCTGGAAGCTGA
 TATGACAAAGTGGGAGCAGAAATATTTGGAGGAGAATGTGATGAGACATTTTGTCTGGA
 TGCTGCTGCAACTGTGGCTGCTCAGAGGGACACAACAGTCATCAGTCACTCTCCTAACAC
 CAGCTATGACACAGCTCTAGAAGCTCGCATCCAGAAAGAGGAGGAAGAAATCTTGATGGC
 CAATAAGCGTTGCCTTGACATGGAGGGCAGGATTAAGACCCTCCATGCCAGATTATTGA
 GAAGATGCCATGATCAAAGTACTCCAGCAGCGTTCGGGAAGGAGCCGAGCAAGCAGAGA
 GCAGCTGTGCTGCATGCGGCCAGCGAAGTCTCTGATGTCCATTTCCAATGCTGGATCAGG
 CTTGCTCTCCACTCATCCACCCTGACTGGCTCCCCATCATGGAAGAAAAGCGAGACGA
 CAAGAGCTGGAAGGGGAGCCTAGGCATTCTCCTGGGTGGAGACTACCGTCTGAATATGT
 CCCTTCCACACCCTCGCTGTGCCACCCTCGACTCCCCTGCTCTCGGCTCACTCCAAGAC
 AGGCAGCCGAGACTGCAGTACCCAACCTGAACGTGGGACGGAATCGAACAAAACCTGCAGC
 TGTTGCTCCCATCTCTGTCTGCTCCAGTTGCTGCTGCCGCACTGCTGCCGCACTCAC
 TGCCACTGCTGCCACCATCACCACCACCATGGTAGCTGCTGCTCCAGTTGCTGTTGCTGC
 TGCTGCTGCTCCAGCTGCTGCTGCTGCCCGTCTCCAGCCACTGCCGCTGCTACTGCTGC
 TGCTGTTTCTCCAGCTGCTGCTGGTCAGATTCCAGCTGCTGCCTCTGTTGCCTCAGCTGC
 TGCCGTTGCTCCTTCTGCTGCTGCTGCTGCTGCTGTTTCAAGTTGCTCCAGCTGCTCCGGC
 TCCAGTCCAGCTCCGGCTCTGGTTCCGGTTCCAGCTCCAGCAGCGGCTCAGGCTTCTGC
 TCCTGCTCAGACTCAGGCACCAACTTCAGCTCCGGCTGTGGCTCCAACCTCCAGCTCCAAC
 TCCAACCTCAGCTGTGGCTCAGGCTGAGGTTCTGCAAGTCCAGTACCGGTCTCTGGACC
 ACATCGTTTGTCTATACCAAGTTTGACCTGCAATCCAGACAAAACAGATGGGCCTGTGTT
 CCACTCCAATACTCTGGAAGAAAAAATCCCATTAGATCCTGGGACAAGAGCCTGATGC
 AGAGATGGTGAATATCTCATCTAAACGGCCAAATCAAGAGCTGCAGATTATCAGCAAAA
 ATGCTTTTAAATCATTTTCCCCCTTTTATTGGTTCTTGTGTTTGGGGTGGAGACAAGGGTT
 GTGGGGAGGGGATGTTTTTAAACAGGACTTTTTATTGGAACAATGTA ACTACTTGAGTAAT
 ACCATGTGAACACCAGTCTATTTTGGTATGCTTAGGGAGTACCTCTAAAGACAGATTAAT
 CAGAATGTGCTCTAAAGCTTATTGTTTGAATTTATACGAATACTGGGACTGTTAACAGGT
 GGCTATACATCGACGTTTTCAATGTGCTTAAATTTGTTTAAATTTTCCATATTCTAGATC
 ATTTTTTATTGAAGACACAGTATGTGTGAAGACAGTGTATAACACGTAGTTTGGAAAGT
 GGGAAAGCTAGAGAGAATTGAGTGTGTGCTGTTTTGTATAGTACTATCCTGTGCAGCAGC
 TGGAGAAAAGCACTCACCTCAGGCTTACAAAAGGGAATAGTTTCCGGAGCTATGTAAGCTG
 GAAAAAGGTAGGGAGTTTTGGGGTGCAGAAGGGTACTGG

Restriction Sites: Please inquire

ACCN: NM_133265

Insert Size:	2800 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:	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:	<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:	<u>NM_133265.2</u> , <u>NP_573572.1</u>
RefSeq Size:	6514 bp
RefSeq ORF:	2028 bp
Locus ID:	154796
UniProt ID:	<u>Q4VCS5</u>
Cytogenetics:	Xq23
Gene Summary:	<p>This gene belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiostatin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. This difference results in translation initiation at a downstream ATG and an isoform (2) with a shorter N-terminus, compared to isoform 1. This isoform lacks the N-terminal extension present in isoform 1 that mediates association with cytoplasmic F-actin.</p>