

Product datasheet for **SC337436**

AMOTL2 (NM_001278685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMOTL2 (NM_001278685) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMOTL2
Synonyms:	LCCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278685, the custom clone sequence may differ by one or more nucleotides

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ATGAGGACTGGAAGACTCCTCGGGACAGTCTGCACCGCCTCATCCAGGAGCAGCTGCGCTACGGCA
ACCTGACTGAGACGCGCACGCTGCTAGCCATCCAGCAGCAGGCCCTGAGGGGTGGGGCTGGAAGTGGGG
TACAGGGAGCCCCAGGGCTCCCTGGAGATCCTGGCCCCAGAGGACAGTCAAGTGTGCAGCAGGCCACC
AGGCAGGAGCCCCAGGGCCAGGAGCACAGGGCGGTGAGAACCACCTGGCAGAGAACCCTCTACCGGC
TATGCCACAGCCAGCAAGGGAGAGGAGCTGCCACCTATGAGGAGGCCAAAGCCCACTCGCAGTACTA
TGCGGCCAGCAGGCAGGGACCCGGCCACATGCGGGGACCGAGATCCCCGTGGGGCCCCGGGAGGCAGT
CGGAGGCAGGACGAGGCCCTGCGGGAGCTGAGGCATGGGCACGTGCGCTCGTTGAGTGAACGGCTCCTTC
AGTTGTCCCTGGAGAGGAACGGCGCCCGGGCCCCAGCCACATGAGCTCCTCCACAGCTTCCACAGCT
GGCCCCAACCAGCAGGGCCCCCACTGAGGGGCCCCCTGCTGAGGGCCAGAGTCCCAGGACCCCCA
CCTCAGTACCCTCATGTTGTAAGTACTAGCTCATGAGACCACCTGCTGTCACTGACCACGGTACCGTGCC
GCGGCAGCCGCACTTCCAGCATGCTGAAGTCAAGTCCCTGCAGGCCAGGTGCCTCCTGTGTTCTCCA
ACAGCAGCAGCAGTACCAGTACCTGCAGCAATCTCAGGAGCACCCCTCCCCACATCCAGCTGCTCTC
GGCCATGGCCCCCTGAGCTCCCTCAGTCCACTGCTGTGGAGGGGCCAGTGAAGTCCCAGGCCCTCTCAG
CCACTCGGGCAGTGCCACCTGGCCAGATGGAGGCCGTGCTGAGGGAGAATGCCAGGCTGCAGAGAGA
CAATGAGCGGCTGCAGAGGGAGCTGGAGAGCTCTGCGGAGAAGGCTGGCCGCAATTGAGAAGTGGAAAGC
GAAATCCAGCGGCTCTCTGAGGCCATGAGAGCCTGACCAGAGCCTCCTCAAGCGTGAAGGCCCTGGAGA
AGACCATGCGGAACAAGTGGACAGTGAATGAGGAGGCTGCAAGACTTCAACCGGGATCTTAGAGAGAG
ATTGGAATCTGCAATCGCCGCTGGCAAGCAAGACACAGGAGGCCAGGCCGCGCAGTCAAGGACATGGTG
GCCAAGTGTCTGCTCAGAGCTACGAACAGCAGCAGGAGCAAGAGAAGTGGAGCGAGAGATGGCACTGC
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CAGGCGCTCGGGCAGCTGCAGGCAGCCTGTGAGAAGCGGGAGCAGCTGGAGCTGCGTCTGCGGACTCGCC
TGGAGCAGGAACCAAGGCCCTGCGTGCACAGCAGGCAGGTGCCAGGTGGTAGCAGTGGCAGTGGTGG
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GAGGCCGACATGACCAAGTGGGAGCAGAAGTATTTGGAGGAACGTGCCATGAGGCAGTTTGCATGGATG
CGGCTGCCACGGTGTCTGCTCAGCGTGACACCACTCTCATCCGACATCCCCCAGCCCTACCCAGCAG
CAGCTTCAATGAGGTCTGCTCACTGGTGGCCACAGGCATCAGGAGATGGAAAGCAGGTTAAAGGTGCTC
CATGCCAGATCCTGGAGAAGGATGCAAGTGCATCAAGGTCTTCCAGCAGCGCTCCAGGAGAGACCCTGGCA
AGGCCATCCAGGGCTCCCTGCGGCTGCCAAGTGGTGCATCTGTTTTGCGGGTGCAGGAGCAGGAAC
CCAGGGCTGGCAAGGGCTCTTCTAGTGAGCGCAAACAGCAGACGCCCTGCTCGGCTGACTACAGAC
AGAGCACCCACAGAGGAGCCAGTGGTCCAGCTCCCCCTGCTGCCATGCCAAACACGGGAGCAGAGATG
GGAGCACCCAGACTGAGGGCCCCCAGACAGCACCTCCACCTGCCTGCCACCGGAGCCTGACAGCCTTCT
GGGTGCAGCAGTAGCCAGAGAGCAGCCTCTGGACTCTGTAGCTACATCCAGAGTCCAGGACTGTCA
GACATGGTGGAGATACTGATCTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001278685

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:

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_001278685.1](#), [NP_001265614.1](#)

RefSeq Size: 4999 bp

RefSeq ORF: 2334 bp

Locus ID: 51421

UniProt ID: [Q9Y2J4](#)

Cytogenetics: 3q22.2

Gene Summary: Angiotenin is a protein that binds angiotenin, a circulating inhibitor of the formation of new blood vessels (angiogenesis). Angiotenin mediates angiotenin inhibition of endothelial cell migration and tube formation in vitro. The protein encoded by this gene is related to angiotenin and is a member of the motin protein family. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]
Transcript Variant: This variant (3) differs in the 5' UTR, uses an alternate in-frame splice site in the 3' coding region and initiates translation at a downstream start site, compared to variant 1. It encodes isoform 3, which is shorter at the N-terminus and lacks two internal amino acids compared to isoform 1.