

## Product datasheet for **SC114418**

### AMOTL2 (NM\_016201) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMOTL2 (NM_016201) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMOTL2
Synonyms:	LCCP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_016201, the custom clone sequence may differ by one or more nucleotides

```

ATGAGGACACTGGAAGACTCCTCGGGGACAGTCTGCACCGCCTCATCCAGGAGCAGCTGCGCTACGGCA
ACCTGACTGAGACGCGCACGCTGCTAGCCATCCAGCAGCAGGCCCTGAGGGGTGGGGCTGGAAGTGGGG
TACAGGGAGCCCCAGGGCTCCCTGGAGATCCTGGCCCCAGAGGACAGTCAAGTGTGCAGCAGGCCACC
AGGCAGGAGCCCCAGGGCCAGGAGCACAGGGCGGTGAGAACCACCTGGCAGAGAACCCTCTACCGGC
TATGCCACAGCCAGCAAGGGAGAGGAGCTGCCACCTATGAGGAGGCCAAAGCCCACTCGCAGTACTA
TGCGGGCCAGCAGGCAGGGACCCGGCCACATGCGGGGACCGAGATCCCCGTGGGGCCCCGGGAGGCAGT
CGGAGGCAGGACGAGGCCCTGCGGGAGCTGAGGCATGGGCACGTGCGCTCGTTGAGTGAACGGCTCCTTC
AGTTGTCCCTGGAGAGGAACGGCGCCCGGGCCCCAGCCACATGAGCTCCTCCACAGCTTCCACAGCT
GGCCCCAACCAGCAGGGCCCCCACTGAGGGGCCCCCTGCTGAGGGCCAGAGTCCCAGGACCCCCA
CCTCAGTACCCTCATGTTGTAAGTACTAGCTCATGAGACCACCTGCTGTCACTGACCACGGTACCGTGCC
GCGGCAGCCGCACTTCCAGCATGCTGAAGTCAAGTCTGCAGGCCAGGTGCCTCCTGTGTTCTCCCA
ACAGCAGCAGCAGTACCAGTACCTGCAGCAATCTCAGGAGCACCCCTCCCCACATCCAGCTGCTCTC
GGCCATGGCCCCCTGAGCTCCCTCAGTCCACCTGCTGTGGAGGGGCCAGTGAAGTCCAGGCCCTCTCAG
CCACCTCGGGCAGTGCCACCTGGCCAGATGGAGGCCGTGCTGAGGGAGAATGCCAGGCTGCAGAGAGA
CAATGAGCGGCTGCAGAGGGAGCTGGAGAGCTCTGCGGAGAAGGCTGGCCGCAATTGAGAAGTGGAAAGC
GAAATCCAGCGGCTCTCTGAGGCCATGAGAGCCTGACCAGAGCCTCCTCAAGCGTGAAGGCCCTGGAGA
AGACATGCGGAACAAGTGGACAGTGAATGAGGAGGCTGCAAGACTTCAACCGGGATCTTAGAGAGAG
ATTGGAATCTGCAATCGCCGCTGGCAAGCAAGACAGGAGGCCAGGCCGCGCAGTCAAGGACATGGTG
GCCAAGTGTCTGCTCAGAGCTACGAACAGCAGCAGGAGCAAGAGAAGTGGAGCGAGAGATGGCACTGC
TGCGCGGGCCATCGAGGACCAGCGCGGCGTGCAGAGCTGCTGGAGCAGGCTCTGGGCAATGCGCAGGG
CCGGGCAGCTCGAGCCGAAGAGGAGCTGCGCAAGAAGCAGGCCTATGTGGAGAAAGTGGAGCGGCTGCAG
CAGGCGCTCGGGCAGCTGCAGGCAGCCTGTGAGAAGCGGGAGCAGCTGGAGCTGCGTCTGCGGACTCGCC
TGGAGCAGGAACCAAGGCCCTGCGTGCACAGCAGAGACAGGCAGGTGCCCCAGGTGGTAGCAGTGGCAG
TGGTGGGTCTCCAGAGCTCAGCGCCCTGCGACTGTGAGAACTGCGAGAGAAGGAGGAGCAGATCCTG
GCGCTGGAGGCCGACATGACCAAGTGGGAGCAGAAGTATTTGGAGGAACGTGCCATGAGGCAGTTTGCCA
TGGATGCGGCTGCCACGGCTGCTGCTCAGCGTACACCACTCTCATCCGACATTCACCCAGCCCTCACC
CAGCAGCAGCTTCAATGAGGGTCTGCTCACTGGTGGCCACAGGCATCAGGAGATGGAAGCAGGTTAAAG
GTGCTCCATGCCAGATCCTGGAGAAGGATGCAAGTCAAGGCTTCCAGCAGCGCTCCAGGAGAGACC
CTGGCAAGGCCATCCAGGGCTCCCTGCGGCTGCCAAGTCCGGTGCCATCTGTTTTGCGGGCTGCGGCAGC
AGGAACCCAGGGCTGGCAAGGGCTCTTCTAGTGAAGGACAAACAGCAGACGCCCTGCTCGGCTGACT
ACAGCAGACAGAGCACCCACAGAGGAGCCAGTGGTACAGCTCCCCCTGCTGCCATGCCAAACACGGGA
GCAGAGATGGGAGACCCAGACTGAGGGCCCCCAGACAGCACCTCCACCTGCCTGCCACCGGAGCCTGA
CAGCCTTCTGGGGTGCAGCAGTAGCCAGAGAGCAGCCTCTCTGGACTCTGTAGCTACATCCAGAGTCCAG
GACTTGTGACAGATGGTGGAGATACTGATCTGA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016201 unedited  
 ACATTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGCCAGTACCTGCAGC  
 AATCTCAGGAGCACCCCCCTCCCCACATCCAGCTGCTCTCGGCCATGGCCCCCTGAGCT  
 CCCTCAGTCCACCTGCTGTGGAGGGGCCAGTGAGTGCCAGGCCCTCTCAGCCACCTCGG  
 GCAGTGCCACCTGGCCAGATGGAGGCCGTGCTGAGGGAGAATGCCAGGCTGCAGAGAG  
 ACAATGAGCGGCTGCAGAGGGAGCTGGAGAGCTCTGCGGAGAAGGCTGGCCGATTGAGA  
 AGCTGGAAGCGAAATCCAGCGCTCTCTGAGGCCCATGAGAGCCTGACCAGAGCCTCCT  
 CCAAGCGTGAGGCCCTGGAGAAGACCATGCGGAACAAGATGGACAGTGAATGAGGAGGC  
 TGCAAGACTTCAACCGGATCTTAGAGAGAGATTGGAATCTGCAAATCGCCGCTGGCAA  
 GCAAGACACAGGAGGCCAGGCCGCGAGTCAGGACATGGTGGCCAAGCTGCTTGCTCAGA  
 GCTACGAACAGCAGCAGGAGCAAGAGAAGCTGGAGCGAGAGATGGCACTGCTGCGCGCG  
 CCATCGAGGACCAGCGCGCGTCCGAGCTGCTGGAGCAGGCTCTGGGCAATGCGCAGG  
 GCCGGCAGCTCGAGCCGAAGAGGAGCTGCGCAAGAAGCAGGCCATGTGGAGAAAGTGG  
 AGCGGCTGCAGCAGGCGCTCGGGCAGCTGCAGGCAGCCTGTGAGAAGCGGGAGCAGCTGG  
 AGCTGCGTCTGCGGACTGCCTGGAGCAGGAACAAGCCCTGCGTGCACAGCAGAGAC  
 AGGCCAGTGCCCCAGTGGTAACAGTGCCAGTGGTGGCTCTCCAGAGCTCAGCGCCTGC  
 GACTGTGAGAACCTGCGAGAGAAGGAAGAGCAAATCCTGGCGTGGAGCCCGACATGA  
 CCAAGTGGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016201 unedited  
 AGCTCTGGACCCGCGCCGAATCTANATTTTTTTTTGCAAAAACATCACTTTTAATTAT  
 TTTTTTTAATTAATAACTGTTATACCCAGTGAATGCGGCAGCAATCCTGGTACAGGG  
 TGGCATAACAAAACAGCCATGTTTACATTTTAAATATTTACGATAACTTAAACATACAGA  
 CACACATCATGGTCTTTGGCAGAAAATGTTACAGCACAAAAAATACTTTAAAAGAAATA  
 CCAAAATATTAATCAAAAATATATTAAGTTGTTTTTTTCTTTCACAATTTTTTTGCCTT  
 TTTTTCTTTTTTTCTTTTGTAAACAATGCACATGAACCAAATGTATTTTTCA  
 GCTTTAAACAGGGGTAGGGGAATTTTTTAAAAAAATGCAATTTGCCAGCAAATGCAAA  
 TGTTTTAAAAGGAAACTGAGGAACCATGGAATAAAAACAACACATACCAAACCTAAAAA  
 CGATAAAGGAAGAAAACAAGAATCAAGGAGAACTAAAAACGGTAAAGACAAAACCTGCTA  
 AAACCCACCAATAGCTCCTGNGGCTGAAGTGAGGGACTTTTAAGACCAGAAGTCAAAT  
 CACTGCTGCTAGCANGCTGCCATGTGGGTGTTTACCCCAATTCCAAGCATCTGGTCCTG  
 CTTTAGGGCGCTGGGCATGGGTAGCTTGAGGAGCCAGCCTCCTGGGCACTGTGTTGTGAT  
 GGGGGCTCCATTAGAGGACTATTTGACTCTTGAGACTCATTAACTAGTTTTTCACTGCT  
 TTGCTCCTTCCAAACCCTCCAGGGGGGAATGAAAACCCTTATGCCTACAAGAATCTCC  
 AGTTTCTTAGAAAGAACTGGTACCGGTAAGGCCACCGAAACCCTGGGGGCTTGCCA  
 AAAGCCTGTTCCGGGGGGCTATTTTATTCGGGTTCAAGTTTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016201

**Insert Size:**

3460 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:**

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\\_016201.1](#), [NP\\_057285.2](#)

**RefSeq Size:** 5008 bp

**RefSeq ORF:** 5008 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 (2) 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 2, which is shorter at the N-terminus and contains an additional internal amino acid compared to isoform 1.