

## Product datasheet for **SC318267**

### 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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



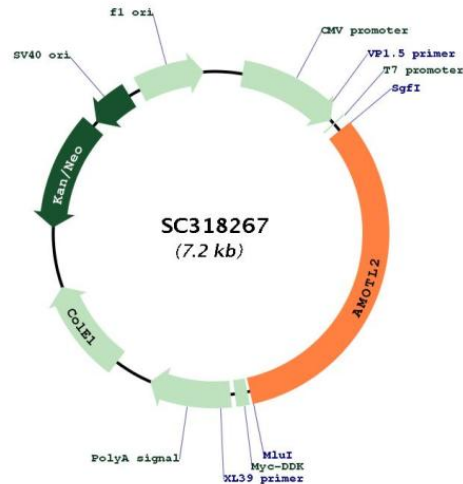
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**Fully Sequenced ORF:** >SC318267 representing NM\_016201.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGGACACTGGAAGACTCCTCGGGGACAGTCCCTGCACCGCCTCATCCAGGAGCAGCTGCGCTACGGC
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GGTACAGGGAGCCCCAGGCCTCCTGGAGATCCTGGCCCCAGAGGACAGTCAGGTGCTGCAGCAGGCC
ACCAGGCAGGAGCCCCAGGGCCAGGAGCACCAGGGCGGTGAGAACCACCTGGCAGAGAACCCTCTAC
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CAAACAGCAGACGCCCTGCTCGGCTGACTACAGCAGACAGAGACCCACAGAGGAGCCAGTGGTCAACA
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AGCACCTCACCTGCCTGCCACCGGAGCCTGACAGCCTTCTGGGGTGCAGCAGTAGCCAGAGAGCAGCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_016201

**Insert Size:** 2343 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:**

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\\_016201.3](#)

**RefSeq Size:** 5008 bp

**RefSeq ORF:** 2343 bp

**Locus ID:** 51421

**UniProt ID:** [Q9Y2J4](#)

**Cytogenetics:** 3q22.2

**MW:** 85.8 kDa

**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.