

## Product datasheet for **SC100236**

### Angiomotin like 1 (AMOTL1) (NM\_130847) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angiomotin like 1 (AMOTL1) (NM_130847) Human Untagged Clone
Tag:	Tag Free
Symbol:	Angiomotin like 1
Synonyms:	JEAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100236 sequence for NM_130847 edited (data generated by NextGen Sequencing)

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ATGTGGAGGGCAAAGTTGCGCCGGGAAGTGTGAGCCTGCGGTGAAAGGTCCTTCT
GCTTGTTATAGCCCCAGTAGTCCTGTCCAGGTTCTAGAAGACTCCACCTACTTTTCCCA
GACTTTCAGCTCTATTCTGGGAGGCATGAAACATCTGCTTTGACGGTGGAGGCAACCAAGT
AGCATCAGGGAAGGTTGTTGAAGATCCTCTTTGTAAGTCCACTCCCCAACTTCTG
AGGATCTCAGAGGTGAAATGAGAGGTTCCGAGGATGCGGCAGCTGGAACAGTATTGCAG
CGGCTGATCCAGGAACAAGTGGGATGGCACCCCAACCGAGAACATGAACTTGTGGCC
ATTCAGCACCAGGCCACAGGGAGTGCAGGACCAGCCATCCTACAACAAGTCTTCTTCC
ACGGAAAACCTCACTCAAGAAGACCCACAATGGTCTACCAGTCAGCACGCAAGAACC
CAGGGTCAAGAACCAGGTGGACAATACGGTGTGGAGAAACAGTCCGGTCCACGCAG
CCTCAGCAGAACAACGAGGAACTGCCACTTACGAGGAGGCCAAAGCACAGTCGCAGTTC
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AGTGGACAGGCGCATAAGGACGAGGCGCTGAAGGAACTGAAGCAGGGCCACGTCCGCTCG
CTCAGCGAGAGAAATCATGCAGCTGTCCCTGGAGAGGAATGGGGCCAAGCAACACCTTCC
GGCTCGGGGAATGGAAAGGGCTTCAAAGTAGGAGGGGGGCCCTCCCCTGCCAGCCTGCA
GGTAAAGTGTGGACCTCGGGTCTCCACCTGAGTACCCTTCAAGACCAAGCAAATG
ATGTCCCAGTCAGCAAGACCCAGGAGCACGGACTTTTTTATGGTGACCAGCACCCCGGG
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CCGCTGCCGCTCCCCAGCCAGCAGCTTGGTCCAGATGCCTTTGCGATTGTGGAGCGA
GCCAGCAAATGGTGGAGATTAACAGAGGAGAACCGGGTGCTTACCAGGAATTCAG
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AGAAACAAATTGGAAGGCGAGATTAGAAGACTTCATGATTTCAACAGAGACCTCCGAGAT
CGACTAGAGACTGCTAACAGGCAACTATCCAGCAGGGAATACGAAGGGCATGAAGACAAA
GCTGCAGAGGGGCATTATGCTTCCCAGAACAAAGAATCTTGAAGGAAAAGGAGAAATTA
GAAATGGAGTTAGCAGCAGTGCGGACTGCAAGTGAGGACCATCGGAGACACATCGAGATC
CTGGACCAGGCTTTGAGCAACGCCAGGCCAGGGTCATCAAGCTGGAAGAGGAGTTACGA
GAGAAGCAAGCATATGTTGAGAAAAGTTGAGAAGCTGCAGCAGGCCCTGACCCAGCTGCAG
TCTGCATGTGAGAAGCGAGAACAGATGGAGCGGAGACTGCGGACTTGGCTGGAGAGAGAG
CTGGATGCACTGAGAACCAGCAGAAACATGGAATGGCCAGCCAGCCAACATGCCGGAA
TACAATGCCCCAGCCCTCCTGGAACCTTGTGCGGGAGAAGGAGGAGCGGATCCTGGCCCTG
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GCCATGAATGCCGAGCCACTGCAGCAGCTGAGAGGGACACCACGATCATCAACCACTCA
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GGGAAGACAGACTCCTCCAGCCTACGTCCTGCCGCTCCGTTCCATCCATAGCAGCAGCT
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GCCTCTGCCCCACTGCTGCCACCCCAACCCACCTCAGCACTGTCTCCATAGCCTCCACT
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ACGACCCTGCTCACAGCCCCGTCTGAAACACCCAGCGGCCAAAGGGACCGCAGAGAAA
CTGGAGAACTCTCTGGCCATGGGAAGTCGCTGACCACAGAGGCCGGGTGAGCAGCTTG
CTGCACAAGCCCAGATTCCCTGATGGAGAGATGATGGAAGTCCTCATCTAA
    
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Clone variation with respect to NM\_130847.2

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_130847 unedited
TCAACATTTGTAATACGACTCACTATAGGGCGGCCGCGCAGCGTTGTGCGGTTTGGGGC
TGGAGGTGAAGCCCTGTGTGAATGGGGTTGATTGTCCGGCGCCACTTCCCCGCGTGCCC
GGCAGCCGCTTCCCCAGCCGAGGGACTGAACTAGCCATGATCGCCTCATGTGGAGGGCA
AAGTTGCGCCGGGAACCTGTGAGCCTGCGGTGAAAGGGTCCCCTTCTGCTTGTATAGC
CCCAGTAGTCCTGTCCAGGTTCTAGAAGACTCCACCTACTTTTCCCAGACTTTCAGCTC
TATTCTGGGAGGCATGAAACATCTGCTTTGACGGTGGAGGCAACCAGTAGCATCAGGGAA
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GTGGAAATGAGAGGTTCCGAGGATGCGGCAGCTGGAACAGTATTGCAGCGGCTGATCCAG
GAACAACCTGCGGTATGGCACCCCAACCGAGAACATGAACTTGCTGGCCATTGAGCACCAG
GCCACAGGGAGTGAGGACCAGCCATCCTACAAACAACTTTTCTCCACGGAAAACCTC
ACTCAAGAAGACCCACAATGGTCTACCAGTCAAGCAGCCAAAGAACCGCAGGGTCAAGAA
CACCAGGTTGGACAATACGGTGTGAGAGAACAGGTTCCGTTCCAGCAGCCTCAGCAGAA
CAACGAAGAACTGCCACTTACGAGGAGGCCAAAGCACAGTCGCAGTTTTTCAAGGGGCA
GCAGCATCACCACAGCAGCATGGGGCCGTGGGCCATGGTTACTACATGGCAGGGGGCACC
ATTCAAAATCCCCAGCTGAGGGATGCCCTGTGTACCGTCCACCGGGACAAGCGCTTA
AGACCAGCGCTTAAGAACTAATCAGGCCCTTCCGTTTCGTACGAGAGATATGCACTGCC
TGAGAGG
    
```



RefSeq ORF: 2871 bp

Locus ID: 154810

UniProt ID: [Q8IY63](#)

Cytogenetics: 11q21

Protein Pathways: Tight junction

**Gene Summary:** The protein encoded by this gene is a peripheral membrane protein that is a component of tight junctions or TJs. TJs form an apical junctional structure and act to control paracellular permeability and maintain cell polarity. This protein is related to angiotensin, an angiotensin binding protein that regulates endothelial cell migration and capillary formation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).