

Product datasheet for MC201937

Amotl2 (NM_019764) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amotl2 (NM_019764) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amotl2
Synonyms: AW549739; C79691; Lccp; MASCOT; mKIAA0989
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC027824 sequence for NM_019764
 CCACGCGTCCGGCTGACTGTACCTAAGCCGAACCGGGTCTGCGTGCGCCGCGCAGCCGCGGGCCGAGCGG
 TGCTCTGAGACCAGGTGCCTGCTGGCCATTGTCTAGGCAGGTGTGTGCAAGCCAGAGAAGCATGAGGACA
 CTGGAAGACTCCTCAGGGACAGTCTGCACCGTCTCATCCAAGAGCAGCTGCGCTACGGCAACCTGACAG
 AGACTCGCACTCTGCTGGCTATCCAGCAGCAGGCCCTGCGGGTGGGGCTGGAGCTGGGGGCACGGGGAG
 CCCCCAGGCTTCTTGGAGATCGGAGCACCCGAGGACAGTCAAGTGTGCAGCAAGCCACCAGGCAGGAG
 CCCCAGGGCCAGGAGCATCAGGGTGGAGAGACCCACCTGGCAGAGAACAGGCTGTACCGGCTGTGCCAC
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 CAGCCAGCAGGGCCCCAACCCGAGGGCCCCAGCTGAGGGCCAGAGCCCCGCGGGCCACCACCTCAG
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 CACACTTCCAGCATGCCGAAGTCAGGATCCTGCAGGCCAGGTACCACCGGTGTTCTCCAGCAGCAGCA
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ACCAAGTGGGAACAGAAGTATTTGGAAGAACGGGCTATGAGGCAGTTCGCCATGGACGCGGCTGCCACTG
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GTATTTTAAATAAAAAAAGAGCTTATAAGGAGAAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

RsrII-NotI

ACCN:

NM_019764

Insert Size:

2319 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: [BC027824](#), [AAH27824](#)

RefSeq Size: 4185 bp

RefSeq ORF: 2319 bp

Locus ID: 56332

UniProt ID: [Q8K371](#)

Cytogenetics: 9 F1

Gene Summary: Regulates the translocation of phosphorylated SRC to peripheral cell-matrix adhesion sites. Required for proper architecture of actin filaments. Inhibits the Wnt/beta-catenin signaling pathway, probably by recruiting CTNNB1 to recycling endosomes and hence preventing its translocation to the nucleus. Participates in angiogenesis. May play a role in the polarity, proliferation and migration of endothelial cells. Selectively promotes FGF-induced MAPK activation through SRC (By similarity).[UniProtKB/Swiss-Prot Function]