

Product datasheet for **MC222880**

Amotl1 (NM_001081395) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amotl1 (NM_001081395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amotl1
Synonyms:	2310010G08Rik; 2310067L22Rik; 4932416D09Rik; JEAP; mFLJ00155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222880 representing NM_001081395
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGAGGGCAAAGTCGCGCCGGGACCTTTCGAGCCTGTGCTTAGAGCTCCTCCTCCCATCTGCTACA
 GCCCCAGCAGTCCCTGTGCAGATTCTAGAAGACCCGCCTACTTCTACCCAGACTTGACAGCTATTCTGG
 GAGGCATGAAGCATCTACTTTGACAGTGGAGGCAAGTGGAGGCCTAAGGGGGAAAAGCGTAGAGGACCT
 CTCTCCAGCTTCCACTCCCCGAACCTTCTGAGGACGCCGAGGTGAAATGAGAGTTCTGAGGATGTAG
 CCTCTGGAAGAGTGTACAGCGCTGATCCAGGAACAACCTGCGCTATGGCACCCCAACTGAGAACATGAA
 CCTGCTGGCCATTGACACCAGGCCACAGGAGTGCAGGGCCAGCCACGCCACCACCACTTTTCTTCC
 ACGGAAACCTCACTCAAGAAGATCCACAAATGGTCTATCAGTCGGCCCGCAAGAACCAGGAGTCAAG
 AGCATCAGGGAGACAATACGGTGTGGAGAAGCAGGTCCGGTCCACACAGCCTCAGCAGAACAACGAGGA
 GCTCCCCACGTATGAGGAAGCCAAGGCCAGTCCAGTCTTTCAGGGACAGCAGCAGCAGCAACAG
 CAGCAGCAGCAACAGCAGCAGCAACAGCAGCAGGACAGGGGCCCTTAGCCACACTTATTACATGGCCG
 GAGGTACCAAGTCCCGCACTGAGGGGAGGCCACAGTGAACCGGCCAACAGTGGACAGGCCGA
 TAAGGATGAGGCCCTGAAAGAACTAAAGCAGGGCCATGTCGGTCCCTCAGTGGAGGATCATGCAGCTG
 TCACTGGAGAGGAATGGGGCTAAGCAACACCTCCCCAGCTCTGGAAATGGAAAGAGCTTCAAAGTGGAG
 GAGAGCCATCCCCAGCTCAGCCTGTCTGTAAGCACTGGACCCTCGTGGCCCTCCACCTGAATACCCCTT
 CAAGACCAAGCCAATGAAATCCCCAGTCAGCAAGAACCAAGATCACGGTCTTTACTACAATGACCAGCAC
 CCTGGGGTACTCCATGAGATGGTCAAACCTTACCAGCACCTCAGCCTGCGAGAACAAGAGTGGCCGCTC
 TGAGGTATCAGCCACCCCGAGTATGGGTACCAGCCGGCCCTGCCAGCTGCCTTTTCCATCTACGGT
 GCAGCAGCATAGCCCATGTCTCTCAGACCTCCTCCATCGGTGGTACTCTGCACCTCCGTCTCCCTGCCT
 CTTCACCTTCCATAAGCCTGGCGGCTTACAGCCCTACCAGCCTCCCCAACCCAGCAGCTTGGACCGG
 ATGCCTTTGCGATTGTGGAGCGAGCCAGCAAATGGTAGAGATCCTGACAGAGGAGAACCGTGTGCTTCA
 CCAGGAGCTTCCAGGGCTGCTATGACAACGCTGACAAGCTCCACAAGTTTAAAAAGAGCTGCAGAGTATT
 TCGGAGGCCTACGAGAGCCTGGTCAAGTCCACCACCAAGCGTGTGCTCTGGACAAGGCAATGAGAACCA
 AGCTCGAAGGCGAGATAAGGAGACTTCATGACTTCAACAGAGATCTCCGAGATCGACTGGAGACAGCCAA
 CAGGCAGCTGTCCAGCAGGGAATACGATGGCATGAAGACAAAGTGCAGAGAGCCATTACGTGTCCAG
 AACAAAGAAATTTGAAGGAAAAGGAAAAGTTGGAAATGGAGTTGGCAGCAGTGGTACGGCAAGTGAAG
 ACCATCGGAGGCACATCGAGATCCTGGACCAGGCTTTGAGCAATGCGCAGGCTAGAGTGATCAAACCTGGA
 GGAAGAGTTACGAGAGAAGCAAGCCTATGTGAAAAGGTGGAGAAGTGCAGCAGGCCCTGACCCAGCTG
 CAGTCAGCGTGGCAGAGCGAGGGCAGATGGAACGCAGGTTGCGGACCTGGCTGGAGAGGGAGCTAGACG
 CTCTGAGGACACAGCAGAAACAATGGCACAGGCCCTCCAGTCACTCTCCAGAATGTAATGCTCCTGCCCT
 CATGGAGCTGGTGGGAGAGGAGGAGCGGATCCTCGCCTTGGAGGCCGACATGACCAAGTGGGAGCAG
 AAGTACCTGGAAGAGAGCACCATCCGGCACTTTGCCATGAGCGCAGCTGCCGCTGCCACAGCCGAGAGGG
 ACACCACCATCAGCAACCACTCGAGGAATGGCAGCTATGGGAGAGCTCCCTGGAGGCCACATCTGGCC
 AGAGGAAGAAGAAGTGGTGCAGGCCAACAGGAGGTGTGAGGACATGGAGTACACTATTAACAACTCCAT
 GCCAAAATCATAGAGAAGGATGCCATGATAAAGTCTGAGCAGCGATCCCGTAAGGATGCTGGGAAGA
 CGGACTCTGCCAGCCTGAGGCCTGCCCGCTCTGTCCCATCCATCGCTGCGGCCACTGGGACACATTTCTCG
 CCAGACTTCTCTTACCAGCAGCCAGCTGACAGAAGAGAAAAAGGAAGAGAAGACGACCTGGAAAGGGAGT
 ATAGGATTCCTGCTGGGAAAGGAACACCAGGGACAGGCATCTGCCCTCTGCTGCCGACCACACCTGCCT
 CTGCATTGTCCTTCCGGCTCTACCACATCGGCCAGCAGCACCACGCCAAGACGGGCAGCAAGGACAG
 CAGCACACAGACCACAAGAGCACGGAGCTTCTGGCCAGCATGGCTTCCCTCCCCAGCCGTGGCAGG
 CTGAGCACAGCCCTTCCAACAGCCCATCCTAAAGCATCCAGCTGCCAAAGGAGCCGTGGAGAAGCAGG
 AGAACTCTCTGGTCATGGGAAGGCATCGGAGCACAGAGGCCGAGTCAGCAACTTCTGCACAAGCCTGA
 GTTCCAGATGGCGAGATGATGGAAGTGTCTAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081395
Insert Size:	2907 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:	<ol style="list-style-type: none">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:	<u>NM_001081395.1</u> , <u>NP_001074864.1</u>
RefSeq Size:	8951 bp
RefSeq ORF:	2907 bp
Locus ID:	75723
UniProt ID:	<u>Q9D4H4</u>
Cytogenetics:	9 A2
Gene Summary:	Inhibits the Wnt/beta-catenin signaling pathway, probably by recruiting CTNNB1 to recycling endosomes and hence preventing its translocation to the nucleus.[UniProtKB/Swiss-Prot Function]