

Product datasheet for **MR224679**

Amotl1 (NM_001081395) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Amotl1 (NM_001081395) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| 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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ORF Nucleotide Sequence:

>MR224679 representing NM_001081395
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGAGGGCAAAGTCGCGCCGGGACCTTGCAGCCTGTGCTTAGAGCTCCTCCTCCCATCTGCTACA
 GCCCAGCAGTCTGTGCAGATTCTAGAAGACCCGCCTACTTCTACCCAGACTTGACAGCTATTCTGG
 GAGGCATGAAGCATCTACTTTGACAGTGGAGGCAAGTGGAGGCCTAAGGGGGAAAAGCGTAGAGGACCT
 CTCTCCAGCTTCCACTCCCCGAACCTTCTGAGGACGCCGAGGTGGAATGAGAGTTCTGAGGATGTAG
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 CCTGCTGGCCATTGAGCACCAGGCCACAGGAGTGCAGGGCCAGCCACGCCACCACCACTTTTCTTCC
 ACGGAAACCTCACTCAAGAAGATCCACAAATGGTCTATCAGTCGGCCCGCAAGAACCAGGAGTCAAG
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 GAGGTACCAAGTCCCGCACTGAGGGGAGGCCACAGTGAACCGGCCAACAGTGGACAGGCCGA
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 TCACTGGAGAGGAATGGGGCTAAGCAACACCTCCCCAGCTCTGGAAATGGAAAGAGCTTCAAAGTGGAG
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 GTTCCAGATGGCGAGATGATGGAAGTGTCTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224679 representing NM_001081395
Red=Cloning site Green=Tags(s)

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MRRAKSRRGPCPEVLRAPPPICYSPPSPVQILEDPAFYFYPDLQLYSGRHEASTLTVEASGGLRGKSVEDP
LSSFHSPNFLTPEVEMRGSDEVASGRVLQRLIQEQLRYGTPTENMNLAIQHQATGSAGPAHATTNFSS
TETLTQEDPQMVYQSARQEPQGQEHQGDNTVMEKQVVRSTQPQONNEELPTYEEAKAQSQFFRGOQQQQQQ
QQQQQQQQQQGQPLSHTYYMAGGTSQKSRTEGRPTVNRANSQGAHKDEALKELKQGHVRSLSERIMQL
SLERNGAKQHLPSGNGKSFKAGGEPSPAQPVCKALDPRGPPPEYPFKTKPMKSPVSKNQDHGLYNDQH
PGVLHEMVKPYAPQPARTEVAVLRYQPPPEYGVTSRQCQLPFPSTVQQHSPMSSQTSISGGTLHSVSLP
LPLPISLAASQPLPASPQQQLGPDFAIVERAQQMVEILTEENRVLHQELQGCYDNADKLHKFEKELQSI
SEAYESLVKSTTKRESLDKAMRTKLEGEIRRLHDFNRDLRDRLETANRQLSSREYDGHEDKAAESHVVSQ
NKEFLKEKEKLEMELAAVRTASEDHRRHIEILDQALSNAQARVIKLEELREKQAYVEKVEKLQQALTQL
QSACEKRGQMERRLRTWLERELDALRTQQKHGTGPPVSLPECNAPALMELVREKEERILALEADMTKWEQ
KYLEESTIRHFAMSAATAAERDTTISNHSRNGSYGESSLEAHIWPEEEEEVVQANRRCDMEYTIKNLH
AKIIEKDAMIKVLQQRSRKDAGKTDASLRPARSVPSIAAATGTHSRQTSLTSSQLTEEKKEEKTWKGS
IGFLLGKEHQGQASAPLLPTTPASALSIPASTTASSTHAKTGSKDSSTQTDKSTELFWPSMASLPSRGR
LSTAPSNPILKHPAAKGAVEKQENSPGHGKASEHRGRVSNLLHKPEFPDGMMEVLI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9040_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



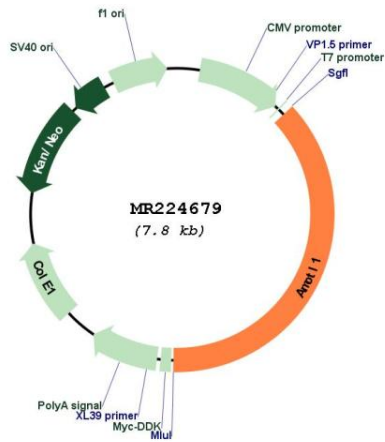
* The last codon before the Stop codon of the ORF

ACCN: NM_001081395

ORF Size: 2904 bp

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|-------------------------------|---|
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_001081395.1 , NP_001074864.1 |
| RefSeq Size: | 8951 bp |
| RefSeq ORF: | 2907 bp |
| Locus ID: | 75723 |
| UniProt ID: | Q9D4H4 |
| Cytogenetics: | 9 A2 |
| MW: | 108.4 kDa |
| 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] |

Product images:



Circular map for MR224679