

Product datasheet for MC222418

Amot (NM_153319) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amot (NM_153319) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amot
Synonyms: CAG-2; DOKist1; Sii6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC222418 representing NM_153319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAAGTTCTGACGATCAGCCAAGTGGAGGAACGACGGTACTGCAACGGCTGCTTCAAGAGCAGCTTC
 GCTATGGCAATCCAGTGAATCGCAGTCTGCTTCCATACACCAGCAAGCCACAGGGAATAGCTCTCC
 ATTTTCCACGGGCAGTGGGAACCAAGGCCCTCAGAATGATGTATTGAGTCCCAGGATCACCACCAGCAG
 CAGCTTGTGGCACACCCTGCTCGCAAGAGCCCCAGGGTCAGGAAATCCAGTCAGAAAACGGCGTCATGG
 AGAAGCAGCTGTCCCCTCGAATGCAGAATAACGAAGAACTCCCAACCTATGAAGAGGCCAAGGTCCAGTC
 CAGTACTTCAGGGGCCAGCAGCATGCTAGTGTGGGGCTGCTTTCTATGTCACAGGAGTACCAACCAG
 AAGATGAGAACCAGGGACGCCCGTCACTCCAGCGCCTCACGCCCGGAAGATGCACCAAGATGAAGGCC
 TTCGAGATCTTAAGCAAGGGCATGTCCGATCCTTGAGTAAAAGACTGATGCAGATGTCAATTGGCTACCAG
 TGGAGTTAAAGCCACCCACCTGTTACCAGTGTCTCTCTCCCCACCACAACCAATGATCTCTACAAG
 AATGCCACAGTTCAGTGAATTCTACAAGGCCAAGGGCCACCTCCAAGCCAACATAGTCTGAAGGGCA
 TGGAACACCGAGGTCCCCGCCAGAATACCCTTCAAGGGCGTCCATCCCAGTCTGTAGTGTGCAAGTC
 CCAAGAGCCAGGGCACTTCTATAGTGAAGTGCAGTCCGCTGAACCAGCCAGGGAGAACAGAGGGGCAACTGATG
 AGGTATCAGCACCCCTGAGTATGGGGCAGCCAGGGCAACACAGGACATCTCTCGTGTCTTTGTCAG
 CCAGGAACTCTCAACCTCATAGCCCTACTTCTCCCTGACAGCTGGGGCTTCCAGCTTGCCCTTGCTGCA
 GTCTCCGCGTCCACTAGATTGCCTCCTGGTCAACACCTGGTCTCGAACCAAGGTGACCACTCTGTCAAC
 CTGTCAAGGCATCAGCAGCATCTTCTTTGAGTCAAGTCAAGGAGTCAAGGGGACCCTACCGTCAAGCCAGG
 CCAGCCTGACTTCAGCGCAGCAGCAGCCAGGAGAAGCCTACTCAGCTATGCCTCGGGCTCAGCAGTCTGC
 TTCTTATCAGCCCATGCCAGTGTACCCCTTTGCTATGGTCTCTAGAGCTCAGCAGATGGTTGAGATCCTG
 TCTGATGAGAATCGCAACTTGCAGCAGGAGTGGATGGATGCTATGAGAAGGTGGCAGACTGCAGAAGG
 TGGAGACAGAAAACCAACGGGTCTCAGAGGCTTATGAGAAGTGGTGAAGTCATCTTCCAAAAGAGAGGC
 TCTGGAGAAAGCCATGAGGAACAAGCTGGAGGGCGAGATTAGAAGGATGCATGACTTCAACAGAGATCTG



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AGAGACCGTCTAGAGACTGCCAACAAAGCAGCTGGCAGAGAAGGAGTACGAGGGTCCGAGGACACCAGGA
AGACCATCTCGCAGCTCTTTGCCAAACATAAAGAAAACCAGCGGGAGAAGGAGAAGCTGGAAGCTGAGCT
GGCTACTGCCCGTTTACCAATGAAGACCAAAGGCGACACATTGAAATCCGAGACCAGGCATTGAGCAAT
GCCCAGGCGAAGGTGGTGAAGCTGGAAGAAGAGCTGAAAAAGAAGCAAGTGTACGTAGATAAGGTGGAGA
AGATGCAGCAGGCCCTTGTGCAGCTCCAGGCCCTGTGAGAAGCGTGAGCAGCTGGAGCACCAGGCTCCG
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AAGCAGATATGACCAAGTGGGAGCAAAAGTATTTGGAAGAGAATGTGATGAGACACTTTGCTCTGGATGC
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GCCTTAGAGGCCCGCATCCAGAAGGAAGAGGAAGAAATCCTGATGGCCAACAAGCGTTGCTTGGACATGG
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TCCAATGCTGGATCAGGCCTCCTGCACACTCCTACCTTGACTGGTGCGCCATTATGGAGGAGAAGC
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ATCCACACCGTCCCCTGTGCCCGTCTACTCCCCTTCTCTCAGCTCATTGGAAGACAGGCAGTCGCGAT
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TGCTGCCACCAACACCACTATCATGGTAGCTGCTGCTCCAGTTGCTGTTGCTGCTGTTGCTGCTCCAGCT
GCTGCTGCCGCCACCCCATCTCCAGCAAACGCTGCTGCTTGGCCGCTGCTGCCGCTCCAGCTACTTCTG
TCTCTGCAGCTACTTCTGTCTCTGCAGCTAATTCTATCTCTCCAGCTGCTCCTGTGCTCCAGCTGCTGT
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TGCTGCTGCTGCTGCCACTACTGCTATTCAGGTTGCTCCAGCTACTTCGGCTCCGTTCCATCTCCAGC
TTCGATTCGGCTCCAGCAACGGCTCAGGCTTCTGCTCCGACTCCGACTCAGGCATCAACTCCAGCTCCG
ACTGAACCTCCTAGTCCAGTTCCAACCTCCAACCTCCAGTTTGGTTCAAAGTGGGTCCTGCAAATCCAG
GTGCCAGTTCGGACCACGCCGTTGTCTACACCAAATCTGATGTGCAACCCAGATAAGCCAGATGCCCC
TGCTTTCCACTCCAGCACTCTGGAAGAAAGACACCCATTAGATCCTGGGGCAAGAGCCTGATGCAGAG
ATGGTGAATATCTCATCTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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Restriction Sites:

Sgfl-Mlul

ACCN:

NM_153319

Insert Size:

3381 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: [NM_153319.3](#), [NP_695231.3](#)

RefSeq Size: 6974 bp

RefSeq ORF: 3381 bp

Locus ID: 27494

UniProt ID: [Q8VHG2](#)

Cytogenetics: X F2

Gene Summary: Plays a central role in tight junction maintenance via the complex formed with ARHGAP17, which acts by regulating the uptake of polarity proteins at tight junctions. Appears to regulate endothelial cell migration and tube formation. May also play a role in the assembly of endothelial cell-cell junctions (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.