

Product datasheet for **MC218292**

Amot (BC057638) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amot (BC057638) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amot
Synonyms:	CAG-2, mKIAA1071
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC057638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACACCGAGGTCCCCGCCAGAATACCCTTTCAAGGGCGTGCCATCCCAGTCTGTAGTGTGCAAGT
 CCCAAGAGCCAGGGCACTTCTATAGTGAGCATCGCCTGAACCAGCCAGGGAGAACAGAGGGGCAACTGAT
 GAGGTATCAGCACCCCTGAGTATGGGCGAGCCAGGCAACACAGGACATCTCCTCGTGTCTTTGTCA
 GCCAGAACTCTCAACCTCATAGCCCTACTTCTCCCTGACAGCTGGGGTTCAGCTTGCCCTTGTCTGC
 AGTCTCCGCCGTCCACTAGATTGCCTCTGGTCAACACCTGGTCCCGAACCAAGGTGACCACTCTGCTCA
 CCTGTCAAGGCATCAGCAGCATCTTCTTCGAGTCAGAGTCATCAGGGGGACCACTACCGTCACGCCAG
 GCCAGCCTGACTTCAGCGCAGCAGCAGCCAGGAGAAGCCTACTCAGCTATGCCTCGGGCTCAGCAGTCTG
 CTTCTTATCAGCCATGCCAGCTGACCCCTTTGCTATCGTCTCTAGAGCTCAGCAGATGGTTGAGATCCT
 GTCTGATGAGAATCGCAACTTGCAGCAGGAGTTGGATGGATGCTATGAGAAGGTGGCGAGACTGCAGAAG
 GTGGAGACAGAAATCCAACGGGTCTCAGAGGCTTATGAGAAGTGGTGAAGTCATCTTCCAAAAGAGAGG
 CTCTGGAGAAAGCCATGAGGAACAAGCTGGAGGGCGAGATTAGAAGGATGCATGACTTCAACAGAGATCT
 GAGAGACCGTCTAGAGACTGCCAACAAGCAGCTGGCAGAGAAGGAGTACGAGGGTCCGAGGACACCAGG
 AAGACCATCTCGCAGCTCTTTGCCAAACATAAAGAAAACCAGCGGGAGAAGGAGAAGCTGGAAGCTGAGC
 TGGCTACTGCCCGTTCTACCAATGAAGACCAAGGCGACACATTGAAATCCGAGACCAGGCATTGAGCAA
 TGCCCAGGCGAAGGTGGTGAAGCTGGAAGAAGAGCTGAAAAGAAGCAAGTGTACGTAGATAAGGTGGAG
 AAGATGCAGCAGGCCCTTGTGCAGCTCCAGGCCCTGTGAGAAGCGTGAGCAGCTGGAACACCGGCTCC
 GGACACGTTTGGAGAGGGAAGTGAATCCCTTAGAATCCAGCAGCGCCAGGGCAACTCCAGCCACTAA
 TGCTTCAGAATACAATGCCGCTGCACTGATGGAGCTCCTCCGGGAGAAGGAAGAGAGAATTCTGGCCCTG
 GAAGCAGATATGACCAAGTGGGAGCAAAAAGTATTTGGAAGAGAATGTGATGAGACACTTTGCTCTGGATG
 CTGCTGCAACTGTGGCTGCACAGAGAGACACAACAGTCATTAGCCACTCTCCTAACACCAGCTATGACAC
 AGCCTTAGAGGCCCGCATCCAGAAGGAAGAGGAAGAAATCCTGATGGCCAACAAGCGTTGCTTGGACATG
 GAAGGAAGGATTAAGACCCTCCATGCCAGATTATTGAAAAGGATGCCATGATCAAGGTGCTGCAGCAGC
 GCTCCAGAAGGAGCCGAGTAAACAGAGCAACTCTCATCCATGCGGCCAGCAAAGTCTCTGATGCCAT
 TTCCAATGCTGGATCAGGCCTCCTTGCACTACTCTACCTTGACTGGTGGCCCATATGGAGGAGAAG
 CGTGATGACAAGAGCTGGAAGGGGAGCCTAGGTAAGGAAAAGGAAGCAACAGAAGCAAAGGCACAGTGA
 CAGACTTAGAAAAGTGCCTGACTCTGTTACACACAGCAAGGAAAAGGACAATGGTCCAGGTTCTAGAGA
 GGAGAATTTGGAGTCCCCCTCTCAATGAATTAGATTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC057638

Insert Size: 1863 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: [BC057638](#), [AAH57638](#)

RefSeq Size: 2405 bp

RefSeq ORF: 1862 bp

Locus ID: 27494

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]