

Product datasheet for **MC219969**

Cd2ap (NM_009847) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd2ap (NM_009847) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd2ap
Synonyms:	AL024079; C78928; Mets; METS-; METS-1; Mets1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219969 representing NM_009847
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTGACTATATTGTGGAATATGACTATGATGCTGTACATGATGATGAGTTAACTATCCGAGTTGGG
 AAATCATCAGAAATGTGAAAAAATAACAGGAAGAAGGATGGCTAGAAGGAGAACTAAATGGGAGACGAGG
 GATGTTCCCTGACAATTTTGTAAAGAAATTAAGCGAGAGACAGAACCAAGGATGACAATTTGCCATC
 AAACGGGAAAGGCAAGGAAATGTAGCAAGTCTGTACAGCGAATCAGCACTTATGGACTCCAGCTGGAG
 GAATTCAGCCACATCCACAAACCAAGCTATTAAGAAGAAGACAAAAAGCGTCAGTGAAAATTTT
 TGACTACTCTCCACAAAATGAGGACGAAGTGAATTTGATCGTGGGGGATGTCATTGACGTCATTGAAGAG
 GTAGAAGAAGGCTGGTGGAGTGAACCCGAACAATAAGTTGGGACTGTTCCCTCAAATTTGTGAAAG
 AATTAGAGTCCACAGAGGATGGTGAACCTCACACGCTCAGGAGGAATCAGAAGTTCCTTTGACTGGCC
 TACCTCACGTTGCCATCTCCGGGAATGGGAGTGAACCTGCTCCGGATCAGTTGCACAGCCAAAGAAA
 ATCCGAGGAATTGGATTTGGAGACATCTTTAAAGAAGGCTCTGTGAAACTTCGGACAAGAATTCAGTA
 GTGAAACAGAGGAGAAAAAACAGAAAAGCCTTAATCCTACAGCCTCTGGGATCTAGAACTCAGAAATGT
 GGAGGTAACAAAACAGACGTTGATGGCAAGATTAAGGCTAAGGAATATTGTAGAACATTATTTCCCTAT
 ACAGGAACCAATGAAGATGAAGTACATTTAGAGAAGGGGAGATTATCCATTTGATAAGTAAAGGAGACTG
 GAGAAGCAGGCTGGTGAAGGGTGAAGTGAACGGTAAAGAAGGAGTGTTCAGATAACTTTGCTGTTCA
 GATAAGTGAAGTGAATAAGACTTTCCAAAACCAAGAAACCACTCCTCCTGCAAAAAGTCCAGCTCCA
 AAGCCTGACCTGTGAGTGCAGAGAAGAAAGCTTTCCCTCAAGTCCCAGCCAAAAAGCCACTGCACCCACCA
 TGTTAGAAGCAGAAACCTTCTAAACCAGCTGCTCCTCAAGTCCCAGCCAAAAAGCCACTGCACCCACCA
 AGCCAGTAACTTACTGAGTGCCTGGAGCAGTGTACCCAAAGCGGCCAGAAAAGCCAGTCCCTCCGCCA
 CCTCCAGCAGCCAAAATTAATGGAGAAGTTTCTATAATTTCTTCAAGATTGATACTGAGCCAGTATCAA
 AACCAAAGCTAGATCCTGAACAATTGCCAGTTAGACCAAATCAGTAGACCTTGATGCCTTTGTAGCCAG
 GAAGTCAAAGAAACAGATGATGTAATTTTGTGACATAGCTTCCCTCAGAGAAGTGTACATCTCACT
 GCTAATAGACCCAAGATGCCTGGAAGACGATTGCCTGGCCGTTCAACGGTGGACATTCTCAACCCAAA
 GCCCAGAAAAACCTTGAAGCTACCAAAAAGAAGATGATAGTGGCAACCTAAAGCCTTTGGAGTTAAAAA
 GGATGCAAGCTACTCTTCAAAGTCACTCTTTCAACACCTTCAAGTCTTCTAAAGTAAATACAGCTGCT
 TTCCTAACTCCGTTAGAAGTCAAAGCTAAAGCAGAAGCAGATGATGGGAAAAGAAATTCGTTGGACGAAC
 TTAGAGCCAGATTATTGAATTGTTGTATTGTAGATGCACTGAAAAGGATCATGGGAAAAGAACTGGA
 AAAGCTACGCAAGAATTAGAAGAAGAGAAGGCCATGCGAAGTAATCTAGAGGTGAAAATAGCAAAGCTG
 AAGAAAGCTGTTCTGTTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009847
Insert Size: 1914 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_009847.3](#), [NP_033977.3](#)

RefSeq Size: 5427 bp

RefSeq ORF: 1914 bp

Locus ID: 12488

UniProt ID: [Q9JLQ0](#)

Cytogenetics: 17 B3

Gene Summary: This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein directly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells. It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. The mouse genome contains at least two pseudogenes located on chromosomes 9 and 17. [provided by RefSeq, Jul 2008]