

Product datasheet for **MG226345**

Cd2ap (NM_009847) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd2ap (NM_009847) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cd2ap
Synonyms: AL024079; C78928; Mets; METS-; METS-1; Mets1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
Restriction Sites: SgfI-MluI
Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI **BamHI** **KpnI** **RBS** **Kozac Consensus** **SgfI** **AscI**
 CTATAGGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

HindIII **NheI** **RsrII** **MluI** **NotI** **XhoI** **GFP Tag**
 CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -

PmeI **FseI**
 --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
 - - E E R V stop

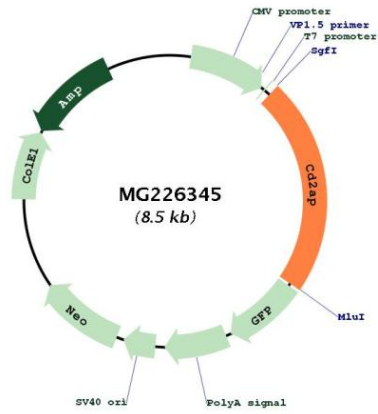
ACCN: NM_009847
ORF Size: 1911 bp



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OTI Disclaimer:	<p>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.</p> <p>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</p>
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_009847.2
RefSeq Size:	5427 bp
RefSeq ORF:	1914 bp
Locus ID:	12488
UniProt ID:	Q9JLQ0
Cytogenetics:	17 B3
Gene Summary:	<p>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]</p>

Product images:



Circular map for MG226345