

Product datasheet for **MR229881**

Ap2m1 (NM_001302970) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap2m1 (NM_001302970) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ap2m1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229881 representing NM_001302970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTTATCTCCCGGTCTACAGAGATGACA
TCGGGAGGAATGCTGTGGATGCCTTTCGGGTCAATGTCATTTCATGCACGGCAGGTGCGCAGCCCTGT
CACAAACATCGCTCGCACCAGCTTCTCCATGTTAAGCGTCCAACATCTGGCTGGCCGAGTCACCAAG
CAGAATGTCAATGCTGCCATGGTCTTCAATTCCTCTACAAGATGTGTGATGTAATGGCTGCTTACTTTG
GCAAAATCAGCGAGGAGAACATCAAGAACAATTTGTGCTCATATACGAGCTGCTGGATGAGATTCTGGA
CTTTGGCTACCCACAGAACTCAGAGACAGGTGCACTGAAAACCTTCATCACCAGCAGGGTATCAAGAGT
CAGACGAAGGAAGAACAGTCCCAGATCACCAGCCAGGTGACCGGGCAGATTGGCTGGCGCGAGAAGGCA
TCAAGTATCGCCGGAATGAACTTTCCTAGATGTTCTGGAGAGTGTGAACCTGCTTATGTCCACAGGG
GCAGGTGCTGAGTGCCCATGTGTCAGGCCGGTGGTGTGAAGAGTTACCTGAGTGGCATGCCTGAGTGC
AAGTTTGAATGAATGACAAGATTGTATAGAAAAGCAGGGCAAAGGCACAGCTGATGAAACAAGCAAGA
GTGGTAAGCAGTCGATCGCCATTGATGACTGCACCTTCCACCAGTGTGTGCGACTCAGCAAGTTTGACTC
TGAGCGGAGCATCAGCTTCATCCCTCCCGAGGAGTTTGAACCTCATGATACCGTACTACCAAGGAC
ATCATCTTCTTTCGGGTGATCCATTGGTGCGGGAGGTGGGGCGCACAAACTGGAGGTCAAGTGG
TCATCAAGTCCAACTTCAAGCCCTCACTTCTGGCCAGAAGATTGAGGTGAGGATCCCGACTCCATTGAA
CACAAGCGGGGTACAGGTGATCTGCATGAAGGGGAAGGCCAAGTACAAGGCCAGCGAGAACGCCATTGTA
TGGAAGATCAAGCGCATGGCAGGCATGAAGGAATCCAGATCAGCGCAGAGATTGAGCTCCTGCCACCA
ACGATAAGAAGAAATGGCTCGGCCCCCATTTCCATGAACCTTGGAGTGCATTCGCGCCTTCTGGCCT
CAAGGTGCGCTACTTGAAGGTATTGAACCGAAGCTGAACACAGCGACCATGATGTCATCAATGGGTG
CGATACATTGGCCGAGTGGCATTATGAAACCCGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229881 representing NM_001302970
 Red=Cloning site Green=Tags(s)

MIGGLFIYNHKGEVLISRVYRDDIGRNAVD AFRVNVIIHARQQVRSPTNIARTSFFHVKRSNIWLA AVTK
 QNVNAAMVFEFLYKMC DVMAAYFGKISEENIKNNFVLIYELLDEILDFGYPQNS ETGALKTFITQQGIKS
 QTKEEQSQITSQVTGQIGWRREGIKYRRNELFLDVLESVNL LMSPQGQVLSAHVSGRVVMKSYLSGMPEC
 KFGMNDKIVIEKQKGTADETSKSGKQSI AIDDCFFHQCVRLSKFDSERSISFIPPDGEFELMRYRTTKD
 IILPFRVIPLVREVGRTKLEVKVVIKSNFKPSLLAQKIEVRIPTPLNTSGVQVICMKGKAKYKASENAIV
 WKIKRMAGMKESQISAEIELLPTNDKKKWARPPISMNFEVPFAPSGLKVRYLKVFE PKLNYSDHDV IKWV
 RYIGRSGIYETRC

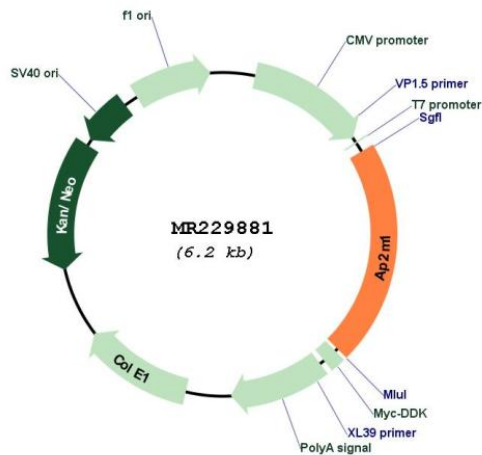
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001302970
ORF Size:	1299 bp
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_001302970.1 , NP_001289899.1
RefSeq Size:	2931 bp
RefSeq ORF:	1302 bp
Locus ID:	11773
Cytogenetics:	16 A3
MW:	49.8 kDa
Gene Summary:	This gene encodes the mu subunit of the clathrin adaptor protein complex AP-2. It mediates sorting of cargo proteins harboring Y-X-X-Phi motifs into clathrin-coated vesicles. Alternate splicing of this gene results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2, 8 and 19. [provided by RefSeq, Dec 2014]