

## Product datasheet for **SC113660**

### AP5M1 (NM\_018229) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP5M1 (NM_018229) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP5M1
Synonyms:	C14orf108; Mu5; MuD; MUDENG
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC113660 sequence for NM\_018229 edited (data generated by NextGen Sequencing)

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ATGGCGCAGCGGGCAGTGTGGCTCATAAGCCACGAACCGGGAACCTCCACTTTGTGGCACC
GTGAGATTCTCCAGACGGTATCCAACCTGTTGAAAAACGAGCCAGAGTCTTCAATGGAGCA
AGTTATGTGCCTGTTCCCTGAAGATGGTCCCTTTCTTAAAGCACTGCTCTTTGAACTTAGA
TTATTGGATGATGATAAAGACTTCGTTGAGAGTCGTGATAGCTGTTACGCATCAATAAA
ACATCCATTTATGGACTCCTGATAGGAGGTGAAGAACTCTGGCCAGTTGTTGCTTTTCTG
AAGAATGACATGATATATGCTTGTGTTCCACTAGTTGAACAAACTCTGTCCCCTCGTCCG
CCACTAATTAGTGTCAAGTGGAGTTTCAAGGCTTTGAATTTCTTTTGGGATACAGGAT
TTTCTTTATTCAGGTCAAAAAATGACTCTGAGCTGAATACAAAATTGAGCCAGTTGCCT
GACTTGCTTCTGCAGGCTTGTCCATTTGGTACTTTATTAGATGCCAACTTACAGAATTCA
TTAGATAATACCAATTTTGCATCTGTGACTCAGCCACAGAAACAGCCAGCTTGGAAAAC
GGGACGTACAAAGGAAAACCACAAGTTTCTATTTCTACTGAAAAGGTAATAATCCATG
CAATATGATAAACAGGTATAGCAGATACATGGCAAGTTGTTGGAACAGTGACTTGCAAG
TGTGATTTGGAAGGAATCATGCCAAATGTTACCATCAGCTTGAGTCTCCCACCAATGGA
TCTCCACTTCAGGATATTCTAGTTCACCCTTGTGTAACCTCTCTTGACTTGCAATTCTG
ACTTCTAGTAGTATTGATGCAATGGATGACTCTGCATTTAGTGGGCTTACAAAATTTCCA
TTCCTCCACCTTTAGAGTCATTCAACTTATGCTTCTACACTTCCCAGGTCCTGTCCCA
CCAATTTTGGGTTTTATCAAAATGAAGGAGGAAGAAGTACAATAAGAATAACCATTAAT
TTAAAACCTTATGAAAGTGTGAAAAATAATTTGAATTTCTGTGAAGCCATATACCTTTT
TACAATAGAGGTCCAATTACACATTTGGAATACAAAACAGTTTGGCCAGCTTGAAGTA
TTTCGAGAGAAAAGCTTATTGATCTGGATTATTGGCCAGAAGTCCCAAAATCAATGGAA
ATTAGTCTTTCTGGAACGTGTAACCTTTTGGAGCCAAGAGCCATGAGAAGCAGCCATTTGAC
CCAATTTGTAAGTGGAGAAACAGCATATTTAAAGCTTCATTTTAGGATCTTAGATTACACA
CTTACTGGATGTTATGCAGATCAGCATTCAAGTTTTTGCATCAGGAAAACCAAAA
ATAAGTGACACCCGAAACTAATTTCTTCTGATTATTACATCTGGAATTTAAAGCCCT
GCTCCAGTAACATATGGATCATTATTATTGTA
    
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Clone variation with respect to NM\_018229.3

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_018229 unedited
GTAATACGACTACTATAGGGCGCCGGAATTCGGCACGAGGAAGAACCAGAAAAAGCT
CGACGCTACCGTGTATGAGGAACTTTGATCCTTGGCGGCCACCATTCCGGAAAGTAGAATT
TAGAGGAAGAAAAACCGGAGTTGCAGGGTATAGGTAAATTTCTCAAGGTTATAGGTTGG
GGTTCTTAGAACTTTTGTGGTGTGTGTGGCCTAGAGCGACTCAGAAGCGTTAGTGACT
TCACCTAAAAAGCTAACCTCTCTGCTGAGCGCGACCGGTATGCGGCGCAGGATGAGCCT
CAGGGCTTCTGTTAAGAGTCTGTCTGAGAAAGCCGGTCTGCGCTGTTCTCGGTGGCGAC
CTTAATTATGAGATGAGCTAATGCTTTACTGACTTAACCATGGCGCAGCGGCAGTGTGG
CTCATAAGCCACGAACCGGGAACCTCACTTTGTGGCACCGTGAGATTCTCCAGACGGTAT
CCAACCTGTTGAAAAACGAGCCAGAGTCTTCAATGGAGCAAGTTATGTGCCTGTTCTGAA
GATGGTCCCTTTCTTAAAGCACTGCTCTTTGAACTTAGATTATTGGATGATGATAAAGAC
TTCGTTGAGAGTCGTGATAGCTGTTACGCATCAATAAAACATCCATTTATGGACTCCTG
ATAGGAGTGGAAGAACTCTGGCCAGTTGTTGCTTTTCTGAAGAAGACATGATATAGCTT
GTGTTCCACTAGTTGAACAACTCTGTCCCCTCGTCCGCCACTAATTAGTGTCAAGGAA
TTCACAAGGCTTTGAAATTTCTTTNTGGGATACAGGNATTTNCTTTATTCANGTCANANAA
TGACTCTGAGCTGATACANAATGAGCCAGTGCCTGACTTGCTCTGCAGGCTTGTCCATTT
GTAATTTATAGATGCCACTTACAGAA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_018229 unedited ATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTGTTAGAATTATGCA GATTATTTATTAGTCAATAGGATAGTTCTGATTAAGAAGAACAGCTTACTATTTAAACAC TTTTCCTTTGTCTCTGTTGGCTGTTTTTTGAAGAGATGTAGTTGTCTCTAACATGGTCTC TGGTATTCTGTAAACAACACCTTATACTAGGAGCTTAGTACTTAGATTTGGAAGAGAAAAT AGTTTTTATCTTGACATTATCTACAACCCACTGGGAGTGGCTGCCTGAATCTCTGAAT AAAAAGGAGCCTGACCCTTTATCCAAGGCTCAGTACAGAAAAGGGCTGTAATTGATTAGC AATGTCTGCCACAGAAACACTAGGAAACAAGTGTGGCAGGGTGACCCAGGACCAGTCTAA AATGAGCCCAAGTGAATCATTACTTTTTCTATGTTCTGAATTATACTGGCATAAAAATCGAA GGTAAACAAAATTGGAGACATTAGCTTTTTAAAATGTCCTTTCAAGCTCTATCAGACTACA AACACCACATAAGACTACTTTTACAATTAATCATTTCAGTGATTTTTCACTCACAGGTTA TATGCATCCACATTAATAAATAAGATTATGATTTTCTTAAACTGTTATCATTATATAA TCCCATTTAAACATGAGACTATTACAATAATAATGATCCATATGTTACTGGAGCAGGGGC TNTAGAATTCAGATGTAATAATCAGAAGAAATTAGGTTCCGGTGTGCACCTATTTTTGG TTNTTCCTGATGCAAAAACCTGAAACTGATGCTGATCTGCATAACATCCCAGTAGTGTGA AATCTAGATCCTANAATGAAGCTTAAATATGCTNGTTCTCACGTACAATGGGTCAATGGC TGCTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018229
<b>Insert Size:</b>	2770 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_018229.2</a></u> , <u><a href="#">NP_060699.2</a></u>
<b>RefSeq Size:</b>	3088 bp
<b>RefSeq ORF:</b>	1473 bp
<b>Locus ID:</b>	55745
<b>UniProt ID:</b>	<u><a href="#">Q9H0R1</a></u>
<b>Cytogenetics:</b>	14q22.3

**Gene Summary:**

As part of AP-5, a probable fifth adaptor protein complex it may be involved in endosomal transport. According to PubMed:18395520, it may play a role in cell death.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.