

## Product datasheet for **MC229213**

### Ap1b1 (NM\_001243043) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1b1 (NM_001243043) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap1b1
Synonyms:	Adtb1; b2b1660Clo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:**

>MC229213 representing NM\_001243043

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGACTGACTCAAATACTTCACCACAACCAAGAAAGGGGAGATCTTTGAGCTGAAGGCAGAGCTTAACA  
GTGACAAGAAGGAGAAGAAGAAGGAGGCAGTGAAGAAAGTGATTGCATCAATGACTGTGGCAAAGATGT  
CAGTGCTCTCTCCCTGATGTGGTGAATGCGATGCAGACAGACAACCTGGAGCTAAAGAAGCTGGTGAC  
CTGTACTTGATGAACTATGCCAAGAGTCAGCCTGACATGGCCATTATGGCTGTCAACACCTTTGTGAAGG  
ACTGTGAGGACCCCAATCCTCTCATCCGGGCCCTGGCTGTGAGGACTATGGGCTGCATCCGAGTTGACAA  
GATTACAGAGTACTTGTGTGAACCACTCCGGAAGTGCCTGAAGGATGAAGACCCATATGTGCGCAAGACA  
GCGGCTGTGTGTGGCCAAGCTCCATGACATCAATGCCAGCTGGTAGAAGACCAGGGCTTCTGGACA  
CGCTTAAAGACCTCATCTCAGACTCTAACCCATGGTGGTAGCGAATGCAGTGGCTGCCCTGTGAGAGAT  
CGCTGAGTCTACCCAGTAGCAACCTGCTTGACTTGAACCCACAGTCTATCAACAAGCTGCTGACAGCC  
CTTAATGAGTGCAGTGAATGGGGCCAGATCTTCATTCTGGACTGTCTGGCCAACATGACCCCAAGGATG  
ACCGTGAGGCCAGAGCATCTGTGAGCGGGTCACTCCTAGACTCTCCCATGCCAACTCTGCTGTGGTGCT  
GTCTGCGGTGAAGGTGCTGATGAAGTTCATGGAGATGCTGTCCAAGGACCTGGACTACTATGCCACACTG  
CTCAAGAAGCTGGCCCTCCCCTGGTCACACTGCTGTCCGAGAGCCAGAGCTGCAGTATGTGGCCCTGC  
GCAACATCAATCTCATTGTACAGAAAAGGCCAGAGATCTTGAAGCATGAAATGAAGGTTTTCTTTGTGAA  
GTACAATGACCCCATCTACGTGAAGCTGGAGAACTGGACATTATGATCCGCCTGGCCTCCCAGGCCAAC  
ATTGCCAGGTATTGGCAGAACTCAAAGAGTATGCTACAGAAGTAGACGTGGATTTTGTACGGAAGGCAG  
TGCGTGCCATTGGCCGCTGTGCCATCAAGGTGGAGCAATCTGCAGAGCGTGTGTGAGCAGTCTTTGA  
TCTCATCCAGACCAAGGTCAACTATGTGGTTTCAAGGACCCATTGGTTCATTAAGGACATCTCCGCAAG  
TACCCCAACAAGTATGAGAGTGTGATAGCTACACTGTGTGAGAATCTGGACTCTCTGGATGAGCCTGAGG  
CCCAGCCGCTATGATCTGGATAGTGGCGAGTATGCCGAGCGGATTGACAATGCAGACGAGCTGCTCGA  
GAGCTTCTGGAAGGTTCCATGATGAGAGCACTCAGGTCCAGCTACAGTACTGACAGCCATTGTGAAA  
CTTCTCTGAAGAAGCCAACAGAGACTCAGGAGCTGGTGCAGCAGGTCTCAGTTTGGCCACTCAGGACT  
CAGACAATCCAGACCTTCGGGACCGTGGCTACATCTACTGGCGTTGCTCTCCACGGACCCTGTAGCTGC  
TAAAGAGGTGGTACTGGCTGAGAAGCCCTCATCTCAGAGGAGACAGACCTTATTGAGCCTACACTCTG  
GATGAACCTCATCTGCTACATTGGCAGCTGGCCCTGTCTACCACAAGCCTCCCAACGCCTTTGTGGAGG  
GTGGCCGGGAGTGGTACATAAGAGCCTGCCACCCGCACTGCCTCGAGTGAGAGCACAGAGAGCCCTGA  
GACAGCTCCTGCTGGAGCACCTGCTGGTATCAGCCTGATGTCATTCTGCCAGGGTGACCTGTTAGGT  
GACCTCCTCAACCTGGACCTTGGGCCCCAGTGAAGTGGCCACCCCTTAGCTGCCTCCTCCGTGCAATGG  
GAGCTGTGGATCTTCTTGGTGGTGGCCCTCGACAGCCTGATGGGGATGAGTCTGAAGGGATTGGAGATAG  
CAACTTTGGGGCACCTTCAGCATCAGTGGCCGAGCACCAGCACCAGCCAGACTTGGAGCACCCATCAGC  
AGTGGCTTAAGTGACCTTTGACCTGACCAGTGGTGTGGGCACCCTTTCAGGATCCTATGTAGCTCCCA  
AAGCAGTCTGGCTCCCTGCCATGAAGGCCAAGGGACTGGAGATCTCTGGCACCTTACCCGGCAGGCTGG  
CTCCATCTCTATGGACCTGCAGCTGACTAACAAGGCCCTGCAGGTGCAGATTTTGTATCCAGTTT  
AATCGTAACAGCTTTGGCTTGGCCCTGCTGCACCTCTCAGGTGCACGTACCCTCAGCCCAACCCAGA  
CCGTGGAGATCTCCCTGCCTCTAACACAGTGGGCTCAGTCTTGAAGATGGAGCCTCTAAACAATCTTCA  
GGTGGCTGTGAAGAACAACATTGACGTCTTCTACTTCACTTTCAGCACTTTGTACCACTGCATGCTCTTCTG  
GAGGATGGGAAGATGGACCGGCAGATGTTCTGGCCACATGGAAGGACATTGCCAACGAGAACGAAGCCC  
AGTTCCAGATCAGAGACTGCCCGCTTAAACACAGAGGCTGCGAGCAACAAGCTACAGAGCAGTAACATTTT  
CACTGTCGCCAAGAGGACGTGGAGGGCCAGGATATGCTCTACCAATCTCTGAAGTTGACCAATGGCATC  
TGGGTGCTGGCGGAGCTGCGGATCCAGCCAGGCAACCCAGCTTACGGACTTGGAGCTGTCCCTGAAGT  
GTCGAGCACCGGAGGTGTCCAGCATGTATACCAGGCCTACGAGACTATCCTCAAGAAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

<b>ACCN:</b>	NM_001243043
<b>Insert Size:</b>	2862 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001243043.1, NP_001229972.1</u>
<b>RefSeq Size:</b>	4336 bp
<b>RefSeq ORF:</b>	2862 bp
<b>Locus ID:</b>	11764
<b>Cytogenetics:</b>	11 A1
<b>Gene Summary:</b>	<p>Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest variant and encodes the longest isoform (1).</p>