

Product datasheet for **MC229202**

Ap1b1 (NM_001243044) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1b1 (NM_001243044) 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



[View online »](#)

Fully Sequenced ORF: >MC229202 representing NM_001243044
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGACTCAAATACTTCACCACAACCAAGAAAGGGGAGATCTTTGAGCTGAAGGCAGAGCTTAACA
 GTGACAAGAAGGAGAAGAAGAAGGAGGCAGTGAAGAAAGTGATTGCATCAATGACTGTGGCAAAGATGT
 CAGTGCTCTCTCCCTGATGTGGTGAAGTGCATGCAGACAGACAACCTGGAGCTAAAGAAGCTGGTGATC
 CTGTAATGACTGAAGTATGCCAAGAGTCAAGCTGACATGGCCATTATGGCTGTCAACACCTTTGTGAAGG
 ACTGTGAGGACCCCAATCCTCTCATCCGGGCCCTGGTGTGAGGACTATGGGCTGCATCCGAGTTGACAA
 GATTACAGAGTACTTGTGTGAACCACTCCGGAAGTGCCTGAAGGATGAAGACCCATATGTGCGCAAGACA
 GCGGCTGTGTGTGGCCAAGCTCCATGACATCAATGCCAGCTGGTGAAGACCAGGGCTTCTGGACA
 CGCTTAAAGACCTCATCTCAGACTCTAACCCATGGTGGTAGCGAATGCAGTGGCTGCCCTGTGAGAGAT
 CGCTGAGTCTACCCAGTAGCAACCTGCTTGACTTGAACCCACAGTCTATCAACAAGCTGCTGACAGCC
 CTTAATGAGTGCAGTGAATGGGGCCAGATCTTCATTCTGGACTGTCTGGCCAACATACATGCCAAGGATG
 ACCGTGAGGCCAGAGCATCTGTGAGCGGGTCACTCCTAGACTCTCCCATGCCAACCTCTGCTGTGGTGTCT
 GTCTGCGGTGAAGGTGCTGATGAAGTTCATGGAGATGCTGTCCAAGGACCTGGACTACTATGCCACACTG
 CTCAAGAAGCTGGCCCTCCCCTGGTCACTGCTGTCCGAGAGCCAGAGCTGCAGTATGTGGCCCTGC
 GCAACATCAATCTCATTGTACAGAAAAGGCCAGAGATCTTGAAGCATGAAATGAAGGTTTTCTTTGTGAA
 GTACAATGACCCCATCTACGTGAAGCTGGAGAACTGGACATTATGATCCGCCTGGCCTCCCAGGCCAAC
 ATTGCCAGGTATTGGCAGAACTCAAAGAGTATGCTACAGAAGTAGACGTGGATTTTGTACGGAAGGCAG
 TGCGTGCCATTGGCCGCTGTGCCATCAAGGTGGAGCAATCTGCAGAGCGTGTGTGAGCAGTCTTTGA
 TCTCATCCAGACCAAGGTCAACTATGTGGTTTCCAGGAAGCCATTGTGGTCAATTAAGGACATCTTCCGCAAG
 TACCCCAACAAGTATGAGAGTGTGATAGCTACACTGTGTGAGAATCTGGACTCTCTGGATGAGCCTGAGG
 CCCGAGCCGCTATGATCTGGATAGTGGCGAGTATGCCGAGCGGATTGACAATGCAGACGAGCTGCTCGA
 GAGCTTCTGGAAGGTTCCATGATGAGAGCACTCAGGTCCAGCTACAGCTACTGACAGCCATTGTGAAA
 CTCTTCTGAAGAAGCCAACAGAGACTCAGGAGCTGGTGCAGCAGGTCTCAGTTTGGCCACTCAGGACT
 CAGACAATCCAGACCTTCGGGACCGTGGCTACATCTACTGGCGTTGCTCTCCACGGACCTGTAGCTGC
 TAAAGAGGTGGTACTGGCTGAGAAGCCCTCATCTCAGAGGAGACAGACCTTATTGAGCCTACACTTCTG
 GATGAACCTCATCTGCTACATTGGCAGCTGGCCTCTGTCTACCACAAGCCTCCCAACGCCTTTGTGGAGG
 GTGGCCGGGAGTGGTACATAAGAGCCTGCCACCCGCACTGCCTCGAGTGAGAGCACAGAGAGCCCTGA
 GACAGCTCCTGTGGAGCACCTGCTGGTATCAGCCTGATGTCATTCTGCCAGGGTGACCTGTTAGGT
 GACCTCCTCAACCTGGACCTTGGGCCCCAGTGAAGTGGCCACCCCTTAGCTGCCTCCTCCGTGCAATGG
 GAGCTGTGGATCTTCTTGGTGGTGGCCTCGACAGCCTGATTGGAGATAGCAACTTTGGGGCACCTTCAGC
 ATCAGTGGCCGACAGCACCAGCACCAGCCAGACTTGGAGCACCCATCAGCAGTGGCTTAAGTGACCTCTTT
 GACCTGACCAGTGGTGTGGGCACCCTTTCAGGATCCTATGTAGCTCCCAAAGCAGTCTGGCTCCCTGCCA
 TGAAGGCCAAGGGACTGGAGATCTTGGCACCTTACCCGGCAGGCTGGCTCCATCTCTATGGACCTGCA
 GCTGACTAACAAGGCCCTGCAGGTCAAGACAGATTTTGTATCCAGTTCAATCGTAACAGCTTTGGCTTG
 GCCCTGTGCACTCTCCAGGTGCACGTACCCTCAGCCCAACCAGACCGTGGAGATCTCCCTGCCTC
 TTAACACAGTGGGCTCAGTCTTGAAGATGGAGCCTCTAAACAATCTTCCAGGTGGCTGTGAAGAACAACAT
 TGACGTCTTCTACTTCAGCACTTTGTACCCACTGCATGCTCTTCTCGTGGAGGATGGGAAGATGGACCGG
 CAGATGTTCTGGCCACATGGAAGGACATTGCCAACGAGAACGAAGCCAGTTCCAGATCAGAGACTGCC
 CGCTTAAACACAGAGGCTGCGAGCAACAAGCTACAGAGCAGTAACATTTTCACTGTGCGCAAGAGGAACTG
 GGAGGGCCAGGATATGCTCTACCAATCTCTGAAGTTGACCAATGGCATCTGGGTGCTGGCGGAGCTGCGG
 ATCCAGCCAGGCAACCCAGCTTACCGACTTGGAGCTGTCCCTGAAGTGTGAGCACCGGAGGTGTCC
 AGCATGTATACCGGCTACGAGACTATCTCAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001243044
Insert Size:	2841 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001243044.1, NP_001229973.1</u>
RefSeq Size:	4118 bp
RefSeq ORF:	2841 bp
Locus ID:	11764
Cytogenetics:	11 A1
Gene Summary:	<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 (3) differs in the 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>