

Product datasheet for **MR231424**

Ap1b1 (NM_001243043) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR231424 representing NM_001243043
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGACTCAAATACTTCACCACAACCAAGAAAGGGGAGATCTTTGAGCTGAAGGCAGAGCTTAACA
 GTGACAAGAAGGAGAAGAAGAAGGAGGCAGTGAAGAAAGTGATTGCATCAATGACTGTGGCAAAGATGT
 CAGTGCTCTCTCCCTGATGTGGTGAAGTGCATGCAGACAGACAACCTGGAGCTAAAGAAGCTGGTGAC
 CTGTAATGACTGAAGTATGCCAAGAGTCAAGCTGACATGGCCATTATGGCTGTCAACACCTTTGTGAAGG
 ACTGTGAGGACCCCAATCCTCTCATCCGGGCCCTGGCTGTGAGGACTATGGGCTGCATCCGAGTTGACAA
 GATTACAGAGTACTTGTGTGAACCACTCCGGAAGTGCCTGAAGGATGAAGACCCATATGTGCGCAAGACA
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 CGCTTAAAGACCTCATCTCAGACTCTAACCCATGGTGGTAGCGAATGCAGTGGCTGCCCTGTGAGAGAT
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 GTCTGCGGTGAAGGTGCTGATGAAGTTCATGGAGATGCTGTCCAAGGACCTGGACTACTATGCCACACTG
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Protein Sequence: >MR231424 representing NM_001243043
 Red=Cloning site Green=Tags(s)

MTDSKYFTTTKKGEIFELKAELNSDKKEKKKEAVKKVIASMTVGKDVSA LFPDVVNCMQTDNLELKKLVY
 LYLMNYAKSQPDMAIMAVNTFVKDCEDPNPLIRALAVRTMGCIRVDKITEYLCEPLRCKLKDEDPYVRKT
 AAVCVAKLHDINAQLVEDQGFLDTLKDLSDSNPMVVANAVAALSEIAESHPSSNLLDLNPQSINKLLTA
 LNECTEWGQIFILDCLANYMPKDDREAQSI CERVT PRLSHANSAVVL SAVKVL MKFMEMLSKDLDYYATL
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 LFLK KPTETQELVQVLSLATQSDNPDLRDRGYIYWRLLSTDPVAAKEVVLAEKPLISEETDLIEPTLL
 DELICYIGTLASVYHKPPNAFVEGGRGVVHKS LPPRTASSESTESPETAPAGAPAGDQPDVIPAQGDLLG
 DLLNLDLGPVSGPPLAASSVQMGAVDLLGGGLDSL MGDESEGI GDSNFGAPSASVAAAPAPARLGAPIS
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 NRNSFGLAPAAPLQVHVPLSPNQTV EISLPLNTVGSVLKMEPLNNLQVAVKNNIDVFYFSTLYPLHVL FV
 EDGKMDRQMFLATWKDIANENAQFQIRDCPLNTEAASNKLQSSNIFTVAKRNVEGQDMLYQSLKLTNGI
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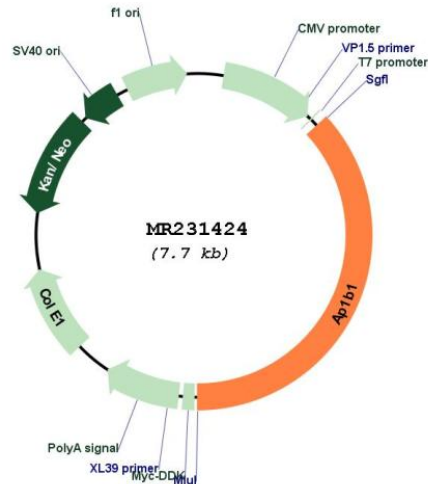
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001243043

ORF Size: 2859 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:

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_001243043.1](#), [NP_001229972.1](#)

RefSeq Size: 4336 bp

RefSeq ORF: 2862 bp

Locus ID: 11764

Cytogenetics: 11 A1

MW: 105.4 kDa

Gene Summary:

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]