

Product datasheet for **MR211270**

Ap1b1 (NM_007454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1b1 (NM_007454) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ap1b1
Synonyms:	Adtb1; b2b1660Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211270 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGACTCAAATACTTCACCACAACCAAGAAAGGGGAGATCTTTGAGCTGAAGGCAGAGCTTAACA
 GTGACAAGAAGGAGAAGAAGAAGGAGGCAGTGAAGAAAGTGATTGCATCAATGACTGTGGCCAAAGATGT
 CAGTGCTCTCTCCCTGATGTGGTGAAGTGCATGCAGACAGACAACCTGGAGCTAAAGAAGCTGGTGATC
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 GATTACAGAGTATTTGTGTGAACCACTCCGGAAGTGCCTGAAGGATGAAGACCCATATGTGCGCAAGACA
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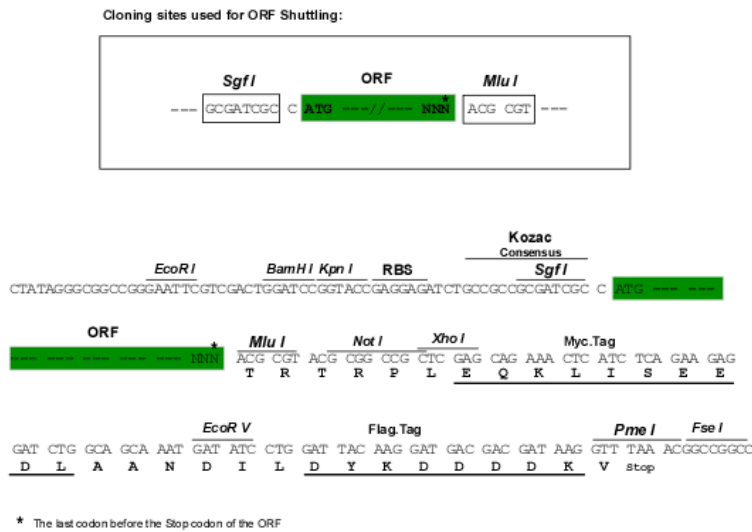
Protein Sequence: >MR211270 protein sequence
 Red=Cloning site Green=Tags(s)

MTDSKYFTTTKKGEIFELKAELNSDKKEKKKEAVKKVIASMTVGKDVSA LFPDVVNCMQTDNLELKKLVY
 LYLMNYAKSQPDMAIMAVNTFFVKDCEDPNPLIRALAVRTMGCIRVDKITEYLCEPLRCKLKDEDPYVRKT
 AAVCVAKLHDINAQLVEDQGFLDTLKDLSDSNPMVVANAVAALSEIAESHPSSNLLDLNPQSINKLLTA
 LNECTEWGQIFILDCLANYPKDDREAQSI CERVTPRLSHANSAVVL SAVKVLKMFMEMLSKDLDYYATL
 LKKLAPPPVTL LSAEPELQYVALRNINLIVQKRPEILKHEMKVFFVKYNDPIYVKLEKLDIMIRLASQAN
 IAQVLAELKEYATEVDVDFVRKAVRAIGRAIKVEQSAERCVSTLLDLIQTKVNYVVQEAI VVIKDI FRK
 YPNKYESVIATLCENLDSLDEPEARAAMIWIVGEYAERIDNADELLESFLEGFHDESTQVQLQLLTAIVK
 LFLKKTPTETQELVQQVLSLATQSDNPDLRDRGYIYWRLLSTDPVAAKEVVLAEKPLISEETDLIEPTLL
 DELICYIGTLASVYHKPPNAFVEGGRGVVHKS LPPRTASSESTESPETAPAGAPAGDQPDVIPAQGDLLG
 DLLNLDLGPVSGPPLAASSVQMGAVDLLGGGLDSLIGDSNFGAPSASVAAAPAPARLGAPISSGLSDF
 DLTSGVGTLSGSYVAPKAVWLPAMKAKGLEISGTFTRQAGSISMDLQLTNKALQVMTDFAIQFNRSFGL
 APAAPLQVHVPLSPNQTV EISLPLNTVGSV LKMEPLNNLQVAVKNNIDVFYFSTLYPLHVL FVEDGKMDR
 QMFLATWKDIANENAQFQIRDCPLNTEAASNKLQSSNIFTVAKRNV EGQDMLYQSLKLTNGIWVLAELR
 IQPGNPSFTLSLKRAPEVSQHVVYQAYETILKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

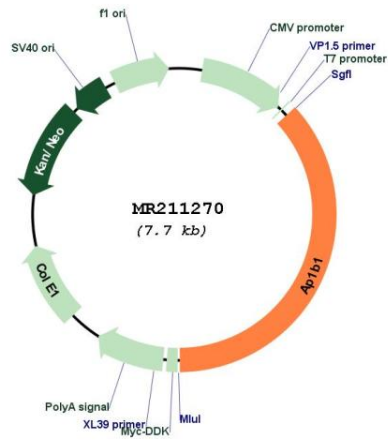


ACCN: NM_007454

ORF Size: 2832 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_007454.1 , NM_007454.2 , NM_007454.3 , NP_031480.2
RefSeq Size:	4109 bp
RefSeq ORF:	2832 bp
Locus ID:	11764
UniProt ID:	O35643
Cytogenetics:	11 A1
MW:	103.9 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]

Product images:



Circular map for MR211270