

Product datasheet for **MC203776**

Ap3b1 (NM_009680) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap3b1 (NM_009680) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ap3b1
Synonyms: AP-3; AU015684; beta3A; C78395; Hps2; pe; pearl; rim2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC015068

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CCACGCGTCCGCCACGCGTCCGCGGACGCGTGGGCCCTCCGCCCCAGAAGTGTGGTTCGGTGTCCCTC
CGAACGCCAGCCATCCGTAGAGGACCCCGCACGCTCCCTCCCGCACCCGCTGCTGGCCAGCACCCGCGC
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GCCACCTCGACCATCTCTCCCTCGGCGCCTTCGGCCTCTTCAGCAGCGATTGGAAGAAGATGAAGACC
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GAATAATCAGGTAATAAAGGAGTATATGAATAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_009680

Insert Size:

3327 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).

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: [BC015068](#), [AAH15068](#)

RefSeq Size: 4038 bp

RefSeq ORF: 3327 bp

Locus ID: 11774

UniProt ID: [Q9Z1T1](#)

Cytogenetics: 13 49.22 cM

Gene Summary: Subunit of non-clathrin- and clathrin-associated adaptor protein complex 3 (AP-3) 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. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. [UniProtKB/Swiss-Prot Function]