

Product datasheet for **MC223471**

Ap3b2 (NM_021492) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap3b2 (NM_021492) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ap3b2
Synonyms: A1549966; AU042881; beta-NAP; beta3B; Naptb; [b]-NAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223471 representing NM_021492
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGTCGGCCGCTCCGGCCTACAGCGAAGACAAGGGCGGCTCAGCCGGTCCCGGGAGCCAGAATATGGCC
ACGACCCGGCGAGCGCGGTATCTTCTCCTCGGACTACAAGCGGCATGATGACCTGAAAGAGATGTTGGA
CACCAACAAGGACTCCCTCAAGCTGGAGGCCATGAAGAGGATTGTGGCAATGATCGCCCCGGGAAAGAAT
GCCTCGGACCTGTTCCCTGCAGTGGTGAAGAATGTGGCCTGTAAGAACATAGAGGTGAAGAAGCTTGTCT
ACGTGTATCTGGTCCGATATGCCGAGGAGCAGCAAGACCTCGCTCTACTGTCCATCTCTACTTTCCAACG
TGGCCTAAAGGATCCCAACCAGCTGATCCGTGCCAGTGCCTCCGGGTTCTCTAGCATCCGTGTGCC
ATCATAGTGCCCATCATGATGCTAGCCATCAAGGAAGCTGCCTCGGACATGTCACCCTACGTTCCGAAAA
CAGCTGCTCATGCCATCCCCAACTCTACAGTTTGGACTCCGATCAGAAGGACCAGCTGATAGAAGTCAT
TGAGAAGCTTTTGGCAGATAAGACCACGCTGGTGGCAGGCAAGTGTAGTGTGGCCTTTGAAGAGGTATGT
CCAGAACGTATTGACCTGATTCACAAAACTACCGGAAGCTCTGCAACCTGCTCATTGATGTGGAGGAT
GGGCCCAGGTGGTGATTATCAGCATGCTCAGCGTTATGCGCGAAGCAATTCCTGAGCCCTACGCAGAA
TGAGTCCCTTGCTGGAGGAGAATCCCAGAAAGCCCTTCTATGGCTCCGAGGAGGACGAGGCCAAAGCCCT
GGATCAGAGGAGGACGCACTGCGGCGCTGCCGCTCGGAAGCCCTATGTAATGGACCCAGATCACCGGC
TGCTGCTGCGGAACCAAGCCCTGCTGCAGAGCCGACGCGCCGCGGTGGTTCATGGCGGTGGCGCAGCT
TTACTTCCACCTAGCGCCTAAGGCAGAGGTGGGCGTCACTGCCAAGGCGCTGGTACGCTGCTGCGCAGC
CACAGTGAGGTGCAGTACGTAGTGTCCAGAACGTGGCCACCATGTCCATCAAGCGCAGGGGTATGTTT
AACCTACCTGAAGAGCTTCTACATTAGGTCCACGGATCCTACCCAGATCAAGATCCTGAAGCTGGAAGT
GCTGACCAACCTGGCCAATGAGACTAACATCCCCTACTGTTCTCCGGGAATCCAGACCTACATTCGCAGC
ATGGACAAAGACTTTGTGGCAGCCACGATCCAGGCCATTGGACGATGTGCAACGAACATAGGCCGAGTCC
GTGACACCTGTCTCAATGGCTTGGTGCAGCTTCTGTCCAACCGTGACGAGCTTGTGGTTGCAGAGTCAGT
GGTGGTCATTAAGAAGCTGTGCAAATGCAGCCAGCGCAGCACGGTGAGATCATCAAACCTTGGCAAAG
CTCACAGACAACATCCAGGTGCCATGGCACGAGCCAGCATCCTCTGGCTCATTGGAGAGTACTGTGAGC



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ATGTCCCAAGATCGCACCTGATGTCCTGAGAAAAATGGCCAAGTCCTTCACAGCAGAGGAGGACATCGT
GAAGCTGCAGGTCATCAACCTGGCAGCCAAGCTGTACCTGACTAACTCAAAGCAGACCAAGCTCTTGACC
CAGTATGTGCTGAGTCTGGCCAAGTACGACCAGAACTATGATATCCGGGATCGAGCCCGCTTCACCCGGC
AGCTCATTGTTCCCTCTGAGCAGGGTGGTGCCCTCAGTCGCCATGCCAAGAACTCTTCTGGCCCTAA
GCCAGCCCTATCTTGGAGTCACTCTCAAAGATCGTGACCATTTCAGCTGGGCTCACTGTCACACCTG
CTCAATGCAAAGGCTACAGGCTACCAGGAGCTCCCGGACTGGCCAGAGGAAGCCAGATCCATCTGTGC
GCAATGTGGAGGTACCTGAATGGACAAATGTTCAAATCGGGAGAAGGAAGGAGAAGGAAAAGCCTTT
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TCAGAGAGTAAGAGCAGCAGTGGGAGTGCTCCGGGGAGTCTAGCAGTGAGTCGGACAATGAAGAAGAGG
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GAAGAAGAAGGCATCAGAGGGACACAGAGAAGGCTCATCATCAGAAGAGGGCAGTGACTCCAGCAGCAGC
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CTCCAGGCAGCAAGAGTGCCCTGTAGCCAAGGAGATTCCCTGCTGGACCTAGAGGATTCACCCCTCC
TAGTGTCCAGCCTGTGTCTCTCCCATGGTTGTGTCTACCAGTCTGGCTGCTGACCTGGAAGGGCTGACA
CTCACAGACTCCTCTCTGGTGCCTTCGCTGCTGAGTCCAGTGTCCAGCATTGGGAGGCAGGAGCTGCTGC
ACCGGGTAGCTGGAGAGGGGCTGTCTGTGGACTATGCCTTCAGCCGCCAGCCTTTCTCTGGGGATCCCA
CATGGTGTCTCTGCATATCTACTTCTCCAACAACCTCGGAGACTCCCATCAAGGGGCTGCATGTGGGCACT
CCCAAGCTGCCTGCTGGCATCAGCATTCAAGAATTCCTGAAATCGAGTCCCTGGCACCTGGAGAATCCA
CCACTACTGTGATGGGCATTAACCTCTGCGACTCAACCCAGGCAGCCAACCTCCAGCTGTGCACCCAAAC
CCGACAGTTCTATGTCTCCATTCAGCCACCTGTCCGGGGAGCTGATGGCCCTGTATTTATGAGTGAGAAT
GAGTTCAAGAAGGAACAGGGAAGCTGACAGGCATGAATGAGATCACAGAGAAGCTTACATTGCCAGACA
CCTGTGCAAGTGATCACATGGTGGTGCAGAAAGTGACTGCCACCGCCAACCTAGTGTGCTGCTGACTGTGG
GACACTGATGAGTACAGTTTGCAGGGAGGACATTAAGTGTGGAGTCTGGTCTGCTGACTGTGGAT
GCCCGGCAGCTGGAGCCGCCAGCTGACCGTCAACAGTGAGAAGATGGTGATTGGCACCATGCTGGTGA
AGGATGTGATTACAGGCTCTGACCCAGTGA

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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_021492

Insert Size:

3249 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:

[NM_021492.3](#), [NP_067467.2](#)

RefSeq Size: 3816 bp

RefSeq ORF: 3249 bp

Locus ID: 11775

UniProt ID: [Q9JME5](#)

Cytogenetics: 7 45.71 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]