

Product datasheet for **MC208161**

Atp1b3 (NM_007502) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1b3 (NM_007502) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp1b3
Synonyms: AA409958; AI664000; AW212096
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208161 representing NM_007502
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGAAGACTGAGAAGAAATCCTTCCACCAGAGCCTGGCCGAGTGGAAGCTGTTCATCTACAACCCGA
GCAGCGGAGAGTTTCTGGGGCGCACCTCCAAGAGCTGGGGTCTGATCTTGCTCTTCTACCTAGTTTTTTA
TGGGTTCTTGGCTGCACTCTTACATTACAATGTGGCCATGCTCCAGACTCTGAATGATGAAGTTCCG
AAATATCGAGACCAGATTCCTAGTCCAGGACTTATGGTTTTTCCAAACCGCAGACTGCCTTGAATATA
CATTTCAGCATGTCTGAGCCACAGACTTACAAAAAGTTGGTTGAAGACCTGGAGAGTTTCTAAAGCCATA
TTCTGTGGAAGAACAAGAACCCTCACAAGTTGTCCTGATGGAGCGCCTTTTATTTCAGCATGGTCCCTGAC
TATAGGGCATGTCAAGTTCCAGTCTCCTTGCTTGAAGAATGTAGTGGTGTGACTGATGCTAATTTTGGCT
ATTCCAAGGACAGCCTTGCATCCTTGTGAAAATGAACAGAATAATCGATTTAATCCCAGACGGATATCC
ACAAATATCGTGTGTTGCCAAAGGAAGAAAACGCAACTATAGCAACTTATCCTGAATTTGGAGTTTAGAC
TCAAATTTGACTCTGGTCTTAACAAGAAAGAAGTAACAGTTGAGTGCCATATTGCTGGAACCAGGAACCT
AAAAACAAGAATGAGCGTGACAAGTTCTTGGGACGTGTTTCGTTCAAAGTCACAGCACGAGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2068_f02.zip
Restriction Sites: SgfI-MluI
ACCN: NM_007502



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Insert Size:	837 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC079916 , AAH79916
RefSeq Size:	1833 bp
RefSeq ORF:	837 bp
Locus ID:	11933
UniProt ID:	P97370
Cytogenetics:	9 50.31 cM
Gene Summary:	<p>This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-3 subunit is not known.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>