

Product datasheet for MC223815

Atp11b (NM_029570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp11b (NM_029570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp11b
Synonyms:	1110019I14Rik; ATPIF; ATPIR; mKIAA0956
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223815 representing NM_029570 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCGCTGGGTCCGGCAGCAGCTGGGTTTTGACCCACCACATCAAAGTGACACAAGAACTATTTACA
TAGCCAACAGGTTTCTCAGAAATGGCCTTACACACCTCAGAAATTTATAGATAACCGGATCATTTTCATC
TAAGTATACTATATGGAATTTTGTCCAAAAATTTATTTGAACAGTTTCAAGAGTGGCAAACCTTTTAT
TTTCTTATTATATTTTGGTTCAGCTTATGATTGATACACCTACCAAGTCCAAATACCAGTGGACTTCCAT
TATTCTTTGTGATAACAGTAACGCCATAAAACAGGGTTATGAAGACTGGTACGCCATAACTCAGATAA
TGAAGTAAACGGAGCTCCTGTCTATGTTGTGAGAAGTGGGGGGCTGTAAAAACTCGATCCAAAAACATT
CGGGTGGGTGATATTGTTTCGTATAGCCAAAGATGAAATTTTCTGCAGATTTGGTGCTTCTGTCCTCAG
ATCGACTTGATGGTTCATGTGATGTGACAACCTGCTAGTTGGATGGAGAGACAAACCTAAAGACACATGT
GTCAGTTCAGAAACAGCAGATTACAACAGTTGCCAAGTGGACAGTCTCATAGCTGTAATAGAATGC
CAACAGCCAGAAGCAGATTTATACAGATTTATGGACGAATGATAAATACTCAACAAATGGAAGAAATTTG
TAAGACCTCTGGGACCAGAGAGTCTCTTGGCTTGGAGCCAGATTAATAAATAACAAAGAAATTTTGG
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GTACGATCTTGAAATATACCTGGCAAGCTGAAGAAAAATGGGATGAACCTTGGTATAACCAAAAAACAGA
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TTCATCATTCCAATTTCTCTGTATGTGACAGTTGAGATGCAGAAATTTCTGGATCATTTTTTATTGGCT
GGGATCTTGATCTGTATCAGGAAGAGTCAGATCAGAAAGCTCAAGTCAATACTTCTGATCTGAATGAAGA
GCTTGGCAGGTGGAATATGATTTACAGATAAACTGGAACACTGACAGAAAATGAGATGCAGTTTCGA
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ACTCCACAGAAGGAGAAGTGCCTTTCTTGGTAGTTTATCCCATCTCAGCAACTAGCCCATCTCACAGC
CACTTCTCTTAGAACAGTCTGAAAGTAAAAGTGAAGTAACTGAGCTAATCAAGAACACGATCTGTTCTTAAAGCA
GTCAGTCTTGGCATACTGTACAGATCAGCAATGTTCAAAGTACGCGCATCGGGGATGGTCCCTGGCAGC



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CCAACCTGGCACCTGCACAGCTGGAGTACTATGCATCTTCACCAGATGAAAAGGCTCTGGTGAAGCTGC
 GGCAAGAGCTGGTATTATATTTGTAGGCATTTCTGAAGAACTATGGAGGTTAAAGTACTTTGGGAGATTG
 GAAAGGTACAAATGCTTCATATTTCTGGAATTTGATTCAGATCGTAGGAGAATGAGTGAATTTGTCAGG
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 TACCTGACTTTATACAATATCTGTTTTACTTCCCTACCTGTTCTCATATATAGTCTTGTGGAACAACATA
 TAGACCCACACGTATTACAGAGCAAGCCTACCCTCTATCGGGACATTAGTAAAAACGGTCTCTTGAGCAT
 TAAAGCATTCTTTACTGGACCGTCTGGGTTTCAGCCATGCCTTCATTTCTTCTTTGGATCCTACTTT
 CTAGTGGGGAAGGATACATCTTTGCTTGGAAATGGTCAGATGTTGGAACCTGGACATTTGGTACTTTGG
 TCTTCACAGTCATGGTTATTACAGTCACAGTAAAGATGGCATTGGAACCTCATTTCTGGACTTGGATCAA
 CCATCTGTTACCTGGGATCTATTATATTTTATTTTATTTTCTTTGTTTTATGGTGGAAATCTCTGG
 CCATTTTTGGGCTCCAGAAATATGTACTTTGTATTTTATTTCAGTCTGTCAAGTGGGTGAGCTTGGTTG
 CCATACTCCTCATGGTTGTACATGTCTATTTCATTGATGTTGTGAAGAAAGTGGTTGATCGACAGCTTCA
 TCCTACAAGTACAGAAAAGGCACAGCTTGTGAAAGCTCATTCCAGTGTCAAGTGTGGACTCCGTGTGC
 TGTTTTCCAGGAGAGACCCCGTGTGCGTCTGTTGGAAGAATGCTGGAGCGAGTATAGGACGGTGTAGTC
 CCAACCATATCAGCAGGTTGTGGAATGCATCGGATCCATTCTATACCAATGACAGGAGCATCTTGACTCT
 CTCGCCAATGGACTCATCTACTTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_029570
- Insert Size:** 3528 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_029570.3](#), [NP_083846.2](#)

RefSeq Size: 4883 bp

RefSeq ORF: 3528 bp

Locus ID: 76295

UniProt ID: [Q6DFW5](#)

Cytogenetics: 3 B

Gene Summary: Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids, phosphatidylserines (PS) and phosphatidylethanolamines (PE), from the outer to the inner leaflet of intracellular membranes. May contribute to the maintenance of membrane lipid asymmetry in endosome compartment.[UniProtKB/Swiss-Prot Function]