

Product datasheet for **SC106366**

ATP11B (AF156548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP11B (AF156548) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP11B
Synonyms:	ATPIF; ATPIR
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF156548, the custom clone sequence may differ by one or more nucleotides

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GCCGCGGGATGGGAACGCGGCGGGGAGTGAGGCAGTGGCGGCGGGCGGTAAGCGGAACTTCGGCCC  
GAGGGGCTCGCCCGCTCCCGCTCTGTCTTGTGGCCTCCACCTGCAGCCCCGCGCCCCCGCCCCGC  
GGGACCCGGACGGCGACGACGGGGGAATGTGGCGCTGGATCCGGCAGCAGCTGGGTTTTGACCCACCACA  
TCAGAGTGACACAAGAACCATCTACGTAGCCAACAGGTTTCCTCAGAATGGCCTTACACACCTCAGAAA  
TTTATAGATAACAGGATCATTTTCATCTAAGTACACTGTGTGGAATTTTGTCCAAAAATTTATTTGAAC  
AGTTCAGAAGAGTGGCAAACCTTTATTTTCTTATTATATTTTTGGTTCAGCTTATGATTGATACACCTAC  
CAGTCCAGTTACCAGTGGACTTCCATTATCTTTGTGATAACAGTAACTGCCATAAAGCAGGGATATGAA  
GATTGGTTACGGCATAANTCAGATAATGAAGTAAATGGAGCTCCTGTTTATGTTGTTTCGAAGTGGTGGCC  
TTGTA AAAACTAGATCAAAAACATTCGGGTGGGTGATATTGTTTGAATAGCCAAAGATGAAATTTTCC  
TGCAGACTTGGTGCTTCTGTCTCAGATCGACTGGATGGTTCCTGTCACGTTACAACCTGCTAGTTTGGAC  
GGAGAACTAACCTGAAGACACATGTGGCAGTTCAGAAACAGCATTATTACAAACAGTTGCCAATTTGG  
ACACTTAGTAGCTGTAATAGAATGCCAGCAACCAGAAGCAGACTTATACAGATTCATGGGACGAATGAT  
CATAACCCAACAATGGAAGAAATGTAAGACCTCTGGGCGGAGAGTCTCTGCTTCGTGGAGCCAGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AF156548 unedited CGAATTCGGCACGAGGGCGGCAGGCTCAGCTGCGCCGGGCGGGGCGGCCCGGGGCCGC GCCTGTAGGACTCGGGGCCGACGCCGCGGGATGGGGACGCGCGCGGGGAGTGAGGCAGT GGCGGCGGCGCGGTAAGCGGAACCTTCGGCCCCGAGGGGCTCGCCCGCTCCCGCCTGTG TTGTCGGCCTCCACCTGCAGCCCCGCGGCCCGCGCCCGCGGGACCCGGACGGCGACG ACGGGGGAATGTGGCGCTGGATCCGGCAGCAGCTGGGTTTTGACCACCACATCAGAGTG ACACAAGAACCATCTACGTAGCCAACAGGTTTCCTCAGAATGGCCTTTACACACCTCAGA AATTTATAGATAACAGGATCATTTCATCTAAGTACACTGTGTGAATTTTGTCCAAAAA ATTTATTTGAACAGTTCAGAAGAGTGGCAAACCTTTTATTTTCTTATTATATTTTTGGGTT CAGCTTATGATTGATACACCTACCAGTCCAGTTACCAGTGGACTTCCATTATTCTTTGTG ATAACAGTAACTGCCATAAAGCAGGGATATGAAGATTGGTTACGGCATAACTCAGATAAT GAAGTAAATGGAGCTCCTGTTTATGTTGTTGCGAAGTGGTGGCCTTGTA AAACTAGATAAA AACATTCGGGTGGGTGATATTGTTTCGATAGCCAAGATGAAATTTTCTGCAGACTGTGC TTCTGCCTCGATCACTGGATGGTCTGCTACTACTGCTA
Restriction Sites:	NotI-NotI
ACCN:	AF156548
Insert Size:	4700 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:	<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:	AF156548.1 , AAF09446.1
RefSeq Size:	910 bp
RefSeq ORF:	910 bp
Locus ID:	23200
Cytogenetics:	3q26.33
Protein Families:	Transmembrane
Gene Summary:	P-type ATPases, such as ATP11B, are phosphorylated in their intermediate state and drive uphill transport of ions across membranes. Several subfamilies of P-type ATPases have been identified. One subfamily transports heavy metal ions, such as Cu(2+) or Cd(2+). Another subfamily transports non-heavy metal ions, such as H(+), Na(+), K(+), or Ca(+). A third subfamily transports amphipaths, such as phosphatidylserine.[supplied by OMIM, Feb 2005]