

Product datasheet for **SC102417**

ATP11B (BC033880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP11B (BC033880) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP11B
Synonyms:	ATPase, class VI, type 11B; ATP1F; ATP1R; DKFZp434J238; DKFZP434N1615; DKFZp434N1615; KIAA0956; MGC46576
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC033880, the custom clone sequence may differ by one or more nucleotides

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ATGTATTTGTGTTTATTCAGCTCCTGTCAAGTGGTTCTGCTTGGTTTGCCATAATCCTCATGGTTGTTA
CATGTCTATTTCTTGATATCATAAAGAAGGTCTTTGACCGACACCTCCACCCTACAAGTACTGAAAAGGC
ACAGCTTACTGAAACAAATGCAGGTATCAAGTGCTTGGACTCCATGTGCTGTTCCCGGAAGGAGAAGCA
GCGTGTGCATCTGTTGGAAGAATGCTGGAACGAGTTATAGGAAGATGTAGTCCAACCCACATCAGCAGGT
GTGAAATCTCTAAGTAGCCTTTGCTGCAGATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC033880 unedited GTTCAAATATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACCAGGGNAAATGG CCAGATGTTTTGGAACTGGACATTTGGCACTTTGGTCTTCACAGTCATGGTTATTACAGT CACAGTAAAGATGGCTCTGGAACTCATTTTTGGACTTGGATCAACCATCTCGTTACCTG GGGATCTATTATTTTTATTTTGTATTTTCCTTGTTTTATGGAGGGATTCTCTGGCCATT TTTGGGCTCCCAGAATATGTATTTTGTGTTTATTCAGCTCCTGTCAAGTGGTTCTGCTTG GTTTGCCATAATCCTCATGGTTGTACATGTCTATTTCTTGATATCATAAAGAAGGTCTT TGACCGACACCTCCACCTACAAGTACTGAAAAGGCACAGCTTACTGAAACAAATGCAGG TATCAAGTGCTTGGACTCCATGTGCTGTTTCCCGAAGGAGAAGCAGCGTGTGCATCTGT TGAAGAATGCTGGAACGAGTTATAGGAAGATGTAGTCCAACCCACATCAGCAGATCATG GAGTGCATCGGATCCTTTCTATACCAACGACAGGAGCATCTTGACTCTCTCCACAATGGA CTCATCTACTTGTAAAGGGCAGTAGTACTTTGTGGGAGCCAGTTCACCTCCTTTTCTA ANNATCAGTGTGATCACCTGTTAATGGCCACACTAGCTCTGAAATAATTTNCAAAAATC TTGTAGTAGTTCATACCCACTCAGAGTTATAATGGCAAACAAACAGAAAGCATTAGTACA AGCCCCCTCCCACACCTTAATTTNGATCTNGACATGTTAAAATTTGAGAATAAAGAGAC ATTTTTATCTCTTTGTCTGGTTTGGCCNTTGTGCTATGGGGACTCTATGGCATTNCAG TNNCTGTGCTGAGCCATNATATTTTATATNAATGTAGAAAAAAA
Restriction Sites:	NotI-NotI
ACCN:	BC033880
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:	BC033880.2 , AAH33880.1
RefSeq Size:	1036 bp
RefSeq ORF:	315 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]