

Product datasheet for **SC306085**

ATP8B3 (NM_138813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP8B3 (NM_138813) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP8B3
Synonyms:	ATPIK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306085 representing NM_138813. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGGCACTGGCCCCGCTCAGACTCCCAGGAGCACCAGAGCTGGCCCTGAGCCAAGCCCTGCCCCACCA
GGACCTGGGGACACGGGTGACTCAGACGTGACTCAGGAAGGCTCAGGTCCTGCTGGCATCCGCGGAGGT
GAGACGGTGATCAGAGCTGGGATGGGAGACTCCCCAGGCAGAGGGGCACCTGAGAGGAGGCACAAGGCC
CAGCCTGGCCGGGCTAGGAAGTATGAATGGAGACCAGAAGGCCACCAGCATGGGCAGCCTCGGCCAG
AGAGAAGATCTCAAGATGAGGACAGGAACCTCAGCATTACCTGGAAGGTCCAGGCCAACACCGTGCC
TACAACGGGCAGTTCAAGGAGAAGGTGATCCTGTGCTGGCAAAGGAAGAAATACAAGACCAATGTATC
CGCACGGCCAAGTACAACCTTCTACTCGTTCCTGCCGCTGAACCTGTACGAGCAGTTCCACCGCGTGTCC
AACCTGTTCTTCTCATCATCATCATCCTGCAGAGCATTCCCGACATCTCCACGCTGCCCTGGTTCTCG
CTCAGTACCCCTATGGTCTGCCTCCTCTTCATCCGTGCCACCCGGGACCTGGTGGACGACATGGGGAGA
CACAAGAGTGACAGAGCCATCAACAACAGACCCTGCCAGATTCTGATGGGGAAGAGCTTCAAGCAGAAG
AAATGGCAGGATCTGTGCGTGGGGATGTGGTCTGTCTCCGCAAGGACAACATCGTCCAGCCGACATG
CTCTTGCTGGCCAGCAGGAGCCAGCAGCCTGTGCTATGTGGAGACGGTGGACATTGACGGGGAGACC
AACTTGAAGTTCAGACAGGCCCTGATGGTCACCCACAAAGAACTGGCCACTATAAAGAAGATGGCGTCC
TTTCAAGGCACAGTGACGTGTGAGGCGCCTAACAGTCGGATGCACCACTTCGTGGGTGCCTGGAATGG
AATGACAAGAAATACTCCCTGGACATTGGCAACCTCCTCCTCCGAGGCTGCAGGATTCGCAACACAGAC
ACCTGCTATGGACTGGTCATTTATGCTGGTTTTGACACAAAAATTATGAAGAACTGTGGCAAGATCCAT
TTGAAGAGAACCAAGCTGGACCTCCTGATGAACAAGCTGGTGGTGTGATCTTCATCTCCGTGGTCTT
GTCTGCCTGGTGTGGCCTTCGGCTTCGGTTTCTCAGTCAAAGAATTCAAAGACCACCACTACTACCTC
TCGGGGGTGCATGGGAGCAGCGTGGCCGAGAGTCCTTCTCGTCTTCTGGAGCTTCTCATCTGCTC
AGCGTCACCATCCCGATGTCCATGTTATCCTGTCCGAGTTCATCTACCTGGGGAACAGCGTCTTCATC
GACTGGGACGTGCAGATGTACTACAAGCCGAGGACGTGCCTGCCAAGGCCCGCAGCACCAGCCTCAAC
GACCACCTGGGCCAGGTGGAATACATCTTCTCGGACAAGACGGGCAGCTCACGCAGAACATCTTGACC



[View online »](#)

TTCAACAAGTGCATCAGCGCCGCGTCTATGGGCCGATTACAGAGCCACGACCCGACCTAAGGAG
 AACCCCTACCTCTGGAACAAGTTCGCCGACGGGAAGTGTCTTCCACAATGCGGCCCTGCTGCACCTC
 GTGCGGACCAACGGGGACGAGGCCGTGCGGGAGTTCTGGCGCCTGCTGGCCATCTGCCACACGGTGATG
 GTGCGGGAGAGCCCCGTGAGCGCCAGACCAGCTGTTGTACCAGGCGGCTCCCCGACGAGGGGGCG
 CTGGTCACCGCAGCCCGAACTTCGGCTACGTGTTCTGTCCCGACCCAGGACACCGTCACGATCATG
 GAGCTGGGGAGGAACGGGTCTACCAGTCTTGCCATAATGGACTTCAACAGCACGCGCAACGGATG
 TCGGTGCTGGTTCGAAAGCCAGAGGGCGCCATCTGCCTGTACCAAGGGCGCCGACACGGTCATCTTC
 GAACGCTTGACAGGAGGGGGCAATGGAATTTGCCACAGAGGAGGCCTTGGCTGCCTTTGCCAGGAG
 ACCCTGCGGACACTGTGCTGCGCTACAGGAGGTGGCTGAGGACATTTACGAGGACTGGCAGCAGCGC
 CACCAGGAGGCCAGCCTCCTGCTGCAGAACCGGGCACAGGCCCTGCAACAGCTGTGGGAGCCACAGCC
 ATCAGGACAGACTCCAGGACGGTGTCCCTGAAACCATCAATGTCTCAAGAAGAGCAACATCAAAATA
 TGGGTGCTCACCGGGACAAGCAGGAAACGGCTGTGAACATCGGCTTCGCTGCGAGCTGCTGTAGAG
 AATATGCTCATTCTGGAGGAGAAGGAGATTAGCCGCATCTGGAGACCTACTGGGAAAACAGTAACAAC
 CTTCTAACAGGGAGTCCCTGTGCGAGGTCAAGCTGGCCTTGGTATTACGGAGACTTCTGGACAAA
 CTGCTGGTGTCCCTGCGGAAGGAGCCGCGGCCCTGGCGCAGAACGTGAACATGGACGAGGCGTGGCAG
 GAGCTCGGCCAGTCCAGGAGGGATTTCTCTACGCCAGGCGCCTGTCCCTGCTGTGCCGAGGTTTGGG
 CTCCCGCTGGCTGCACCGCCAGCCAGGACTCCAGAGCCCGCCGTAGCTCCGAGGTGCTGCAGGAGCGC
 GCCTTCGTGGACCTGGCGTCCAAGTGCCAGGCGGTGATCTGCTGCCGCGTGACGCCAAGCAGAAGGCC
 CTGATCGTGGCCCTGGTCAAGAAGTACCACAGGTGGTGACCCCTGGCCATCGGGGACGGTGCCAACGAC
 ATCAACATGATCAAGACCGCGGACGTGGGCGTGGGGCTGGCGGGCCAGGAGGGCATGCAGGCAGTTAG
 AACAGCGACTTCGTGCTCGGCCAGTTCTGCTTCTGCGAGCGCCTCTGCTGGTGCACGGCCGCTGGTCC
 TACGTGCGGATCTGCAAGTTCCTGCGCTACTTCTTCTACAAGAGCATGGCCAGCATGATGGTGCAGGTG
 TGGTTTGCCTGCTACAACGGCTTCACCGCCAGCCCTGTATGAAGGATGGTTCTGGCTCTTTTCAAC
 CTCCTGTACAGCACCTGCCAGTTCTCTACATTGGGCTCTTTGAGCAGGACGTGAGCGCAGAGCAGAGC
 CTGGAGAAGCCGAGCTGTACGTGGTGGGCGAGAAGGACGAGCTTTCAACTACTGGGTCTTCGTCCAA
 GCCATCGCCCATGGTGTGACCACCTCTCTGGTCAACTTCTTCATGACACTGTGGATCAGCCGCGACACG
 GCGGGACCCGCCAGCTTCAGCGACCAACAGTCTTTGCGGTGCTGGTGGCCCTGTCTTGCCTGCTGTCC
 ATCACCATGGAGGTATTCTTATCATCAAGTACTGGACCGCCCTGTGCGTGGCGACCATCTCTCAGC
 CTTGGTTTCTACGCCATCATGACTACCACCACCCAGAGCTTCTGGCTCTTCAGAGTATCCCCACGACC
 TTCCCGTTTCTGTATGCCGACCTCAGCGTGATGTCTCTCCCTCCATCCTGCTGGTGGTCTCTGCTGAGT
 GTGTCCATAAACACCTTCCCTGTCTGGCCCTCCGAGTCATCTTCCAGCCCTCAAGGAGCTACGTGCC
 AAGGAGGAGAAGGTGGAGGAGGGCCCCAGCGAGGAGATTTTACCATGGAGCCCTTGCTCATGTACAC
 CGGGAGTCTCGTGCCCGCGTTCCAGCTATGCTTTCTCCACCGTGAGGGATATGCAAACCTCATCACT
 CAGGGCACAATTCTGCGGAGGGGACCAGGGGTACGAGTGACATAGCATCTGAATCCCTAGACCCATCT
 GATGAAGAGGCAGCTTCGAGCCAAAAGAGTCACAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI

ACCN: NM_138813

Insert Size: 3903 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_138813.3</u>
RefSeq Size:	5109 bp
RefSeq ORF:	3903 bp
Locus ID:	148229
UniProt ID:	<u>O60423</u>
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
MW:	146.8 kDa
Gene Summary:	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to the other. This gene encodes member 3 of phospholipid-transporting ATPase 8B; other members of this protein family are located on chromosomes 1, 15 and 18. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012] Transcript Variant: This variant (1) encodes the longer isoform (1).