

Product datasheet for **SC304769**

ATP8B2 (NM_020452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP8B2 (NM_020452) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP8B2
Synonyms:	ATPID
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020452, the custom clone sequence may differ by one or more nucleotides

```

ATGGATACCTTGAGAGCTGTTCCCTTTTTTCAATATCTGGCCTTTCTCCTTTCCCTAC
AGGGTCTCCCATGGGATTGCTGGGATCTTCTGGGTGAGATGGCAGTGTGTGCAAAAAG
CGCCCCCAGAAGAAGAAAGGAGGGCGCGGGCTAATGACCGAGAATACAATGAGAAATTC
CAGTATGCGAGTAAGTGCATCAAGACCTCCAAGTACAATATTCTCACCTTCTGCCTGTC
AACCTCTTTGAGCAGTTCAGGAAGTTGCCAACACTTACTTCTGTTCTCCTCATTCTG
CAGTTGATCCCCAGATCTTCCCTGCTGCTGGTTCACCACCATTGTGCCTTTGGTTCTT
GTCCTCACCATCACAGCTGTTAAAGATGCCACTGATGACTATTTCCGCCACAAGAGCGAT
AACCAGGTGAATAACCGCCAGTCTCAGGTGCTGATCAATGGAATCTCCAGCAGGAGCAG
TGGATGAATGTCTGTGTTGGTGATATTATCAAGCTAGAAAATAACCAGTTTGTGGCGGCG
GATCTCCTCCTCCTTTCCAGCAGTGAAGCCCATGGGCTGTGTTACATAGAGACAGCAGAA
CTTGATGGCGAGACCAACATGAAAGTACGTGAGGCGATCCAGTACCTCAGAATTGGGA
GACATCAGTAAGCTTGCCAAGTTGACGGTGAAGTGATCTGTGAACCTCCCAACAACAAA
CTGGACAAATTCAGCGGAACCTCTACTGGAAGGAAAAAAGTTCCCTCTGAGCAACCAG
AACATGCTGCTGCGGGGCTGTGTGCTGCGAAACACCGAGTGGTGTTCGGGCTGGTCATC
TTTGCAGGTCCCGACACTAAGCTGATGCAAAACAGCGGCAGAACAAGTTCAAAGAACG
AGTATCGATCGCCTAATGAATACCCTGGTCTGATTTTGGATTCTGGTTTGCATG
GGGGTGATCCTGGCCATTGGCAATGCCATCTGGGAGCACGAGGTGGGGATGCGTTTCCAG
GTCTACCTGCCGTGGGATGAGGCAGTGGACAGTGCCTTCTTCTGGCTTCTCCTCCTTC
TGGTCCTACATCATCCTCAACACCGTTGTGCCATTTCACTCTATGTCAGTGTGGAG
GTCATCCGTCTGGGCCACAGCTACTTCATCAACTGGGATAAGAAGATGTTCTGCATGAAG
AAGCGGACGCCTGCAGAAGCCCGCACCACCACCCTAACGAGGAGCTGGGCCAGGTGGAG
TACATCTTCTCGACAAGACGGGCACCCTACCCAGAACATCATGGTTTTCAACAAGTGC
TCCATCAATGGCCACAGCTATGGTGATGTGTTGACGTCTGGGACACAAAGCTGAATTG
GGAGAGAGGCCTGAACCTGTTGACTTCTCCTTCAATCCTCTGGCTGACAAGAAGTTCTTA
TTTTGGGACCCAGCCTGCTGGAGGCTGTCAAGATCGGGACCCCAACGCATGAGTTC
TTCCGCTCCTTTCCCTGTGTCATACTGTGATGTGAGAGAAAAGAACGAAGGAGAGCTG
TACTACAAAGCTCAGTCCCCAGATGAGGGGGCCCTGGTACCAGCAGCCAGGAACCTTGGT
TTTGTTCCTGCTCGCACCCCAAAACAATCACCGTCCATGAGATGGGCACAGCCATC
ACCTACCAGCTGCTGGCCATCCTGGACTTCAACAACATCCGCAAGCGGATGTCGGTCATA

```



[View online >](#)

```

GTGCGGAATCCAGAGGGGAAGATCCGACTCTACTGCAAAGGGGCTGACACTATCCTACTG
GACAGACTGCACCACTCCACTCAAGAGCTGCTCAACACCACCATGGACCCTTAATGAG
TACGCAGGGGAAGGGCTGAGGACCCTGGTCTGGCCTACAAGGATCTGGATGAAGAGTAC
TACGAGGAGTGGGCTGAGCGACGCCTCCAGGCCAGCCTGGCCCAGGACAGCCGGGAGGAC
AGGCTGGCTAGCATCTATGAGGAGGTTGAGAACAACATGATGCTGCTGGGTGCAACGGCC
ATTGAGGACAACTTCAGCAAGGGGTTCCAGAGACCATTGCCCTCCTGACACTGGCCAAC
ATCAAGATTTGGGTCTAACCGGAGACAAGCAAGAGACGGCTGTGAACATCGGCTATTCC
TGCAAGATGCTGACGGATGACATGACTGAGGTTTTTCATAGTCACTGGCCATACTGTCCTG
GAGGTGCGGGAGGAGCTCAGGAAAGCCCGGAGAAGATGATGGACTCATCCCGCTCCGTA
GGCAACGGCTTACCTATCAGGACAAGCTTTCTTCTTCCAAGCTAACTTCTGTCTGGAG
GCCGTTGTGGGAGTACGCCCTGGTCATAAATGGTCACAGCCTGGCCCACGCACTGGAG
GCAGACATGGAGCTGGAGTTTCTGGAGACAGCGTGTGCCTGCAAAGCTGCATCTGCTGC
CGGGTGACCCCTTGACAGAGGCACAGGTGGTAGAACTGGTCAAGAAGTACAAGAAGGCT
GTGACGCTTGCCATTGGAGACGGAGCCAATGATGTCAGCATGATCAAAACGGCTCACATT
GGTGTGGGGATCAGTGGGCAGGAAGGGATCCAGGCTGTCTTGGCCTCCGATTACTCCTTC
TCCCAGTTCAAGTTCTCGACGCCTCCTGCTGGTGCATGGGCGCTGGTCTACCTGCGA
ATGTGCAAGTTTCTTTGCTATTTCTTCTACAAAACTTTGCTTTTACCATGGTCCACTTC
TGGTTTGGCTTCTTCTGTGGCTTCTCAGCCCAGACCGTCTATGACCAGTATTTTCATCACC
CTGTATAACATCGTGTACACCTCCCTGCCAGTCCTGGCTATGGGGGTCTTTGATCAGGAT
GTCCCCGAGCAGCGGAGCATGGAGTACCCTAAGCTGTATGAGCCGGGCCAGCTGAACCTT
CTCTTCAACAAGCGGGAGTTCTTTCATCTGCATCGCCCAGGGCATCTACACCTCCGTGTC
ATGTTCTTCATTCCCTATGGGGTGTGGTGTGCTGATGCCACCCGGGATGATGGCACTCAGCTG
GCTGATACCAGTCCCTTTCAGTCACTGTGGCCACATCCTTGGTCATTGTGGTTAGCGTG
CAGATTGGGCTCGACACAGGCTACTGGACGGCCATCAACCACTTCTTCATCTGGGGAAGC
CTTGCTGTTTACTTTGCCATCCTTTTGGCATGCACAGCAATGGGCTCTTCGACATGTTT
CCCAACCAGTTCGGTTTGTGGGAATGCCCAGAACACCTTGGCCCAGCCACGGTGTGG
CTGACCATTGTGCTCACCACAGTCGTCTGCATCATGCCCGTGGTTGCCTTCCGATTCTC
AGGCTCAACCTGAAGCCGGATCTCTCCGACACGGTCCGCTACACACAGCTCGTGAGGAAG
AAGCAGAAGGCCAGCACCGCTGCATGCGGCGGGTTGGCCGCACTGGCTCCCGGCGCTCC
GGCTATGCCTTCTCCCATCAGGAGGGCTTCGGGGAGCTCATCATGTCTGGCAAGAACATG
CGGCTGAGCTCTCTCGCGCTCTCCAGCTTACCACCCGCTCCAGCTCCAGCTGGATTGAG
AGCCTGCGCAGGAAGAAGAGTGACAGTGCCAGTAGCCCCAGTGGCGGTGCCGACAAGCCC
CTCAAGGGCTGA
    
```

- Restriction Sites:** Please inquire
- ACCN:** NM_020452
- 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: [NM_020452.2](#), [NP_065185.1](#)

RefSeq Size: 5871 bp

RefSeq ORF: 3672 bp

Locus ID: 57198

UniProt ID: [P98198](#)

Cytogenetics: 1q21.3

Protein Families: Transmembrane

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 another. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).