

## Product datasheet for **SC301043**

### ATP8B2 (NM\_001005855) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATP8B2 (NM_001005855) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP8B2
Synonyms:	ATPID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301043 representing NM_001005855. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGTGTGTGCAAAAAAGCGCCCCAGAAGAAGAAAGGAGGGCGCGGGCTAATGACCGAGAATAC
AATGAGAAATCCAGTATGCGAGTAACTGCATCAAGACCTCCAAGTACAATATTCTCACCTTCTGCCT
GTCAACCTCTTTGAGCAGTTCAGGAAGTTGCCAACCTACTTCTGTTCTCTCATTCTGCAGTTG
ATCCCCAGATCTTCCCTGCTGTTCCACCATTGTGCCTTTGGTCTTGTCTCACCATCACA
GCTGTTAAAGATGCCACTGATGACTATTCGCCACAAGAGCGATAACCAGGTGAATAACCGCCAGTCT
CAGGTGCTGATCAATGGAATCCTCCAGCAGGAGCAGTGGATGAATGTCTGTGTTGGTGAATTATCAAG
CTAGAAAATAACCAAGTTTGTGGCGCGGATCTCCTCCTCTTCCAGCAGTGAGCCCCATGGGCTGTGT
TACATAGAGACAGCAGAACTTGATGGCGAGACCAACATGAAAGTACGTCAGGCGATTCCAGTCACCTCA
GAATTGGGAGACATCAGTAAGCTTGCCAAGTTTGACGGTGAAGTGATCTGTGAACCTCCCAACAACAAA
CTGGACAAATTCAGCGGAACCTCTACTGGAAGGAAAAAAGTTCCCTCTGAGCAACCAGAACATGCTG
CTGCGGGGCTGTGTGCTGCGAAACCCGAGTGGTGTCTCGGGCTGGTCACTTTGCGAGTCCCGACT
AAGCTGATGCAAAACAGCGGCAGAACAAAGTTCAAAGAACGAGTATCGATCGCCTAATGAATACCTG
GTGCTCTGGATTTTGGATTCTGGTTTGCATGGGGTGATCCTGGCCATTGGCAATGCCATCTGGGAG
CACGAGGTGGGATGCGTTTCCAGTCTACCTGCCGTGGGATGAGGCAGTGGACAGTGCCTTCTTCTCT
GGCTTCTCCTTCTGGTCTACATCATCCTCAACACCGTTGTGCCATTTCACTCTATGTCAAG
TATGTGCCTTCTGACCTGGGTCTCTCCAGGAGTCAGGCGGTCCCATAGAACTTTTCTTTCTATG
AAGATGAAGTCTTGAGAAGTAACGAGAAGTCTTCTTCTGTACTGTAACATTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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<b>ACCN:</b>	NM_001005855
<b>Insert Size:</b>	1164 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001005855.1</a>
<b>RefSeq Size:</b>	1560 bp
<b>RefSeq ORF:</b>	1164 bp
<b>Locus ID:</b>	57198
<b>UniProt ID:</b>	<a href="#">P98198</a>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	44.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, in the 3' UTR and has multiple coding region differences, compared to variant 1. The resulting isoform (b) has a shorter N-terminus and contains a distinct C-terminus, compared to isoform a.</p>