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# Product datasheet for SC304255

## ATP11A (NM_015205) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ATP11A (NM_015205) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | ATP11A |
| **Synonyms:** | ATPIH; ATPIS |
| **Vector:** | pCMV6 series |

**Fully Sequenced ORF:**

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>NCBI ORF sequence for NM_015205, the custom clone sequence may differ by one or more
nucleotides
ATGGACTGCAGCCTCGTGCGGACGCTCGTGCACAGATACTGTGCAGGAGAAGAGAATTGG
GTGGACAGCAGGACCATCTACGTGGGACACAGGGAGCCACCTCCGGGCGCAGAGGCCTAC
ATCCCACAGAGATACCCAGACAACAGGATCGTCTCGTCCAAGTACACATTTTGGAACTTT
ATACCCAAGAATTTATTTGAACAATTCAGAAGAGTAGCCAACTTTTATTTCCTTATCATA
TTTCTGGTGCAGTTGATTATTGATACACCCACAAGTCCAGTGACAAGCGGACTTCCACTC
TTCTTTGTCATTACTGTGACGGCTATCAAACAGGGTTATGAAGACTGGCTTCGACATAAA
GCAGACAATGCCATGAACCAGTGTCCTGTTCATTTCATTCAGCACGGCAAGCTCGTTCGG
AAACAAAGTCGAAAGCTGCGAGTTGGGGACATTGTCATGGTTAAGGAGGACGAGACCTTT
CCCTGCGACTTGATCTTCCTTTCCAGCAACCGGGGAGATGGGACGTGCCACGTCACCACC
GCCAGCTTGGATGGAGAATCCAGCCATAAAACGCATTACGCGGTCCAGGACACCAAAGGC
TTCCACACAGAGGAGGATATCGGCGGACTTCACGCCACCATCGAGTGTGAGCAGCCCCAG
CCCGACCTCTACAAGTTCGTGGGTCGCATCAACGTTTACAGTGACCTGAATGACCCCGTG
GTGAGGCCCTTAGGATCGGAAAACCTGCTGCTTAGAGGAGCTACACTGAAGAACACTGAG
AAAATCTTTGGTGTGGCTATTTACACGGGAATGGAAACCAAGATGGCATTAAATTATCAA
TCAAAATCTCAGAAGCGATCTGCCGTGGAAAAATCGATGAATGCGTTCCTCATTGTGTAT
CTCTGCATTCTGATCAGCAAAGCCCTGATAAACACTGTGCTGAAATACATGTGGCAGAGT
GAGCCCTTTCGGGATGAGCCGTGGTATAATCAGAAAACGGAGTCGGAAAGGCAGAGGAAT
CTGTTCCTCAAGGCATTCACGGACTTCCTGGCCTTCATGGTCCTCTTTAACTACATCATC
CCTGTGTCCATGTACGTCACGGTCGAGATGCAGAAGTTCCTCGGCTCTTACTTCATCACC
TGGGACGAAGACATGTTTGACGAGGAGACTGGCGAGGGGCCTCTGGTGAACACGTCGGAC
CTCAATGAAGAGCTGGGACAGGTGGAGTACATCTTCACAGACAAGACCGGCACCCTCACG
GAAAACAACATGGAGTTCAAGGAGTGCTGCATCGAAGGCCATGTCTACGTGCCCCACGTC
ATCTGCAACGGGCAGGTCCTCCCAGAGTCGTCAGGAATCGACATGATTGACTCGTCCCCC
AGCGTCAACGGGAGGGAGCGCGAGGAGCTGTTTTTCCGGGCCCTCTGTCTCTGCCACACC
GTCCAGGTGAAAGACGATGACAGCGTAGACGGCCCCAGGAAATCGCCGGACGGGGGGAAA
TCCTGTGTGTACATCTCATCCTCGCCCGACGAGGTGGCGCTGGTCGAAGGTGTCCAGAGA
CTTGGCTTTACCTACCTAAGGCTGAAGGACAATTACATGGAGATATTAAACAGGGAGAAC
CACATCGAAAGGTTTGAATTGCTGGAAATTTTGAGTTTTGACTCAGTCAGAAGGAGAATG
AGTGTAATTGTAAAATCTGCTACAGGAGAAATTTATCTGTTTTGCAAAGGAGCAGATTCT
```

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TCGATATTCCCCCGAGTGATAGAAGGCAAAGTTGACCAGATCCGAGCCAGAGTGGAGCGT
AACGCAGTGGAGGGGCTCCGAACTTTGTGTGTTGCTTATAAAAGGCTGATCCAAGAAGAA
TATGAAGGCATTTGTAAGCTGCTGCAGGCTGCCAAAGTGGCCCTTCAAGATCGAGAGAAA
AAGTTAGCAGAAGCCTATGAGCAAATAGAGAAAGATCTTACTCTGCTTGGTGCTACAGCT
GTTGAGGACCGGCTGCAGGAGAAAGCTGCAGACACCATCGAGGCCCTGCAGAAGGCCGGG
ATCAAAGTCTGGGTTCTCACGGGAGACAAGATGGAGACGGCCGCGGCCACGTGCTACGCC
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CAGAGCCTGCACGACGTCCTGTTCGAGCTGAGCAAGACGGTCCTGCGCCACAGCGGGAGC
CTGACCAGAGACAACCTGTCCGGACTTTCAGCAGATATGCAGGACTACGGTTTAATTATC
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CCCTTGCAGAAGGCTCAGATTGTTAAATTAATCAAATTTTCAAAAGAGCACCCAATCACG
TTAGCAATTGGCGATGGTGCAAATGATGTCAGCATGATTCTGGAAGCGCACGTGGGCATA
GGTGTCATCGGCAAGGAAGGCCGCCAGGCTGCCAGGAACAGCGACTATGCAATCCCAAAG
TTTAAGCATTTGAAGAAGATGCTGCTTGTTCACGGGCATTTTTATTACATTAGGATCTCT
GAGCTCGTGCAGTACTTCTTCTATAAGAACGTCTGCTTCATCTTCCCTCAGTTTTTATAC
CAGTTCTTCTGTGGGTTTTCACAACAGACTTTGTACGACACCGCGTATCTGACCCTCTAC
AACATCAGCTTCACCTCCCTCCCCATCCTCCTGTACAGCCTCATGGAGCAGCATGTTGGC
ATTGACGTGCTCAAGAGAGACCCGACCCTGTACAGGGACGTCGCCAAGAATGCCCTGCTG
CGCTGGCGCGTGTTCATCTACTGGACGCTCCTGGGACTGTTTGACGCACTGGTGTTCTTC
TTTGGTGCTTATTTCGTGTTTGAAAATACAACTGTGACAAGCAACGGGCAGATATTTGGA
AACTGGACGTTTGGAACGCTGGTATTCACCGTGATGGTGTTCACAGTTACACTAAAGCTT
GCATTGGACACACACTACTGGACTTGGATCAACCATTTTGTCATCTGGGGGTCGCTGCTG
TTCTACGTTGTCTTTTCGCTTCTCTGGGGAGGAGTGATCTGGCCGTTCCTCAACTACCAG
AGGATGTACTACGTGTTCATCCAGATGCTGTCCAGCGGGCCCGCCTGGCTGGCCATCGTG
CTGCTGGTGACCATCAGCCTCCTTCCCGACGTCCTCAAGAAAGTCCTGTGCCGGCAGCTG
TGGCCAACAGCAACAGAGAGAGTCCAGACTAAGAGCCAGTGCCTTTCTGTCGAGCAGTCA
ACCATCTTTATGCTTTCTCAGACTTCCAGCAGCCTGAGTTTCTGA

**Restriction Sites:** Please inquire

**ACCN:** NM_015205

**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.

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| | |
|---|---|
| **RefSeq:** | NM_015205.1, NP_056020.1 |
| **RefSeq Size:** | 8782 bp |
| **RefSeq ORF:** | 3405 bp |
| **Locus ID:** | 23250 |
| **UniProt ID:** | P98196 |
| **Cytogenetics:** | 13q34 |
| **Protein Families:** | Transmembrane |
| **Gene Summary:** | The protein encoded by this gene is an integral membrane ATPase. The encoded protein is probably phosphorylated in its intermediate state and likely drives the transport of ions such as calcium across membranes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]<br>Transcript Variant: This variant (1) represents the longer transcript and encodes isoform a.<br>Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. |

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