

## Product datasheet for **SC315164**

### ATP13A1 (NM\_020410) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATP13A1 (NM\_020410) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ATP13A1  
**Synonyms:** ATP13A; CGI-152  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_020410, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAAGTGGGAGGAGCTGAACAGCCATCAGCCAGGAGAGGAGTACGACCCAGCAAA
GCGACCTTTGTGAAGGTGGTGCCAAACCCCAACAATGGCTCCACGGAGCTCGTGGCCCTG
CACCGCAATGAGGGCGAAGACGGGCTTGAGGTGCTGTCTTTCGAATTCAGAAGATCAAG
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GCCTTCTCATACTATCAGAGCAACAGAGGCTTCCAGGAAGACTCAGAGATCCGAGCAGCT
GAGAAGAAATTTGGGAGCAACAAGGCCGAGATGGTGGTGCCTGACTTCTCGGAGCTTTTC
AAGGAGAGAGCCACAGCCCTTCTTTGTATTTTCAGGTGTCTGTGTGGGGCTCTGGTGC
CTGGATGAGTACTGGTACTACAGCGTCTTACGCTATCCATGCTGGTGGGGTTCGAGGCC
TCGCTGGTGCAGCAGCAGATGCGGAACATGTCCGAGATCCGGAAGATGGGCAACAAGCCC
CACATGATCCAGGTCTACCGAAGCCGCAAGTGGAGGCCATTGCCAGTGATGAGATCGTA
CCAGGGGACATCGTCTCCATCGGCCGCTCCCCACAGGAGAACCTGGTGCATGTGACGTG
CTTCTGCTGCGAGGCCGCTGCATCGTAGACGAGGCCATGCTCACGGGGGAGTCCGTGCCA
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TCCCGGCTGCACGTCATCTTCGGGGCACCAAGGTGGTGCAGCACATCCCCCACAGAAA
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GCGAACAACCTGGAGACCTTCATCTTCATCCTCTCCTCCTGGTGTGGCCATCGCTGCA
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CTGGCCGTCAACACCTCCCTCATCGCCCTGGCCAAGCTCTACATGTAAGTGCACAGAGCCC
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CCAGTGTCCAGCATCCCTGTAGAAACACACCGGGCCCTGGCCTCGTGCCACTCGCTCATG
CAGCTGGACGACGACCCCTCGTGGGTGACCCTCTAGAGAAGGCCATGCTGACGGCCGTG
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AAAATTCACAGCGCTTTTCAATTTGCCAGTGCCCTGAAGCGAATGTCCGTGCTTGCCCTCG
TATGAGAAGCTGGGCTCCACCGACTCTGCTACATCGCGCCGTGAAGGGGGCCCCGAA
ACTCTGCACTCCATGTTCTCCAGTGCCCGCCGACTACCACCACATCCACACCGAGATC
TCCCGGAAGGAGCCCGCTCCTGGCGTGGGGTACAAGGAGCTGGGACACCTCACTCAC

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CAGCAGGCCCGGAGGTCAAGCGGGAGGCCCTGGAGTGCAGCCTCAAGTTCGTGGCTTC  
 ATTGTGGTCTCCTGCCCGCTCAAGGCTGACTCCAAGCCGTGATCCGGGAGATCCAGAAT  
 GCGTCCCACCGGGTGGTCATGATCACGGGAGACAACCCGCTCACTGCATGCCACGTGGCC  
 CAGGAGCTGCACTTCAATTGAAAAGGCCACACGCTGATCCTGCAGCCTCCCTCCGAGAAA  
 GGCCGGCAGTGCAGTGGCGCTCCATTGACGGCAGCATCGTGTGCCCTGGCCCGGGG  
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 TGCACGCTGGTGACCACGCTACAGATGTTCAAGATCCTGGCGCTCAATGCCCTCATCTG  
 GCCTACAGCCAGAGCGTCTCTACTGGAGGGAGTCAAGTTCAGTGACTTCCAGGCCACC  
 CTACAGGGGCTGTGCTGGCCGGCTGCTTCTCTCATCTCCCGTTCCAAGCCCTCAAG  
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 CGGAGCCCCGAGAAGCAGGAGCAGTTTCGTGGACTTGTACAAGGAGTTTGAGCCAAGCCTG  
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 TACAAAGGCCCGCCCTTTCATGGAGAGCCTGCCGAGAACAAGCCCTGGTGTGGAGTCTG  
 GCAGTTTCACTCCTGGCCATCATTGGCCTGCTCCTCGGCTCCTCGCCGACTTCAACAGC  
 CAGTTTGGCCTCGTGACATCCCTGTGGAGTTCAAGCTGGTTCATTGCCAGGTCTGCTC  
 CTGGACTTCTGCCTGGCGCTCCTGGCCACCGCTCCTGCAGTTCTTCTGGGACCCCG  
 AAGCTGAAAGTGCCTTCC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_020410

**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\\_020410.1](#), [NP\\_065143.1](#)

RefSeq Size:	3483 bp
RefSeq ORF:	3261 bp
Locus ID:	57130
UniProt ID:	<a href="#">Q9HD20</a>
Cytogenetics:	19p13.11
Domains:	E1-E2_ATPase, Hydrolase
Protein Families:	Transmembrane
Gene Summary:	Mediates manganese transport into the endoplasmic reticulum. The ATPase activity is required for cellular manganese homeostasis.[UniProtKB/Swiss-Prot Function]