

Product datasheet for **SC328052**

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
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020410, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCAGCGCGCGGTGGGCAACGCGGTGCCCTGCGGGGCCCGCCTTGGCGGGT
CGGCCTGACGGGAGCCCAAGCCCGGGCCGAGCCGCGCGCTCCTTGGCGCCGGCCG
GCGCTCATAGCGAACGGTGACGAGCTGGTGGCTGCCGTGTGGCCGTACCGCGGTTGGCG
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GCCGCAGCCGCTGGTGTGGGGCTGGGGCAGCAGTTGGGTGCAGATCCCCGAAGCTGCG
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TCTGTGCACGCGCATTGCGCGCTCACCTGCACCCCGGAGTACGACCCAGCAAAGCGACC
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AATGAGGGCGAAGACGGGCTTGAGGTGCTTCCTTCGAATTCAGAAGATCAAGTATTCC
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GACATCGTCTCCATCGGCCGCTCCCCACAGGAGAACCTGGTCCATGTGACGTGCTCTG
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CTGCACGTCTTTCGGGGGCACCAAGGTGGTGCAGCACATCCCCCACAGAAAGCCACC
ACGGGCCCTGAAGCCGGTTGACAGCGGGTGGTGGCCTACGTCTGCGGACCGGATTCAAC
ACATCCCAGGGCAAGCTGCTGCGCACCATCCTCTTCGGGGTCAAGAGGGTACTGCGAAC
AACCTGGAGACCTTCATCTTCATCCTCTTCTCCTGGTGTGGCCATCGCTGCAGCTGCC
TATGTATGGATTGAAGGTACCAAGGACCCAGCCGGAACCGCTACAAGCTGTTTCTGGAG
TGCACCCTGATCCTCACCTCGGTGCTGCTCCTGAGCTGCCATCGAGCTGTCCCTGGCC

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GTCAACACCTCCCTCATCGCCCTGGCCAAGCTCTACATGTAAGTGCACAGAGCCCTCCGG
 ATCCCCTTTGCTGGCAAGGTCGAGGTGTGCTGCTTTGACAAGACGGGGACGTTGACCAGT
 GACAGCCTGGTGGTGCGCGGTGTGGCCGGGCTGAGAGACGGGAAGGAGGTGACCCAGTG
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 GACGACGGCACCCCTCGTGGGTGACCCTCTAGAGAAGGCCATGCTGACGGCCGTGGACTGG
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 CACCAGCGCTTTCATTTTGCCAGTGCCCTGAAGCGAATGTCCGTGCTTGCCTCGTATGAG
 AAGCTGGGCTCCACCGACCTCTGCTACATCGCGCGCTGAAGGGGGCCCCGAAACTCTG
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 ACCCTGAGCAACAGTGGCATCAGAGCCACCTCCAGGACAGCCAAGCAGCGGTGCGGGGTC
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 CTCGAGGACGAGATACGCCCATTGTGAAACTGGGGGATGCCAGCATCGCAGCACCCCTT
 ACCTCAAAGCTCTCATCCATCCAGTGCATCTGCCACGTGATCAAGCAGGGCCGCTGCACG
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 GGCCCTGTGGACATCCCTGTGGAGTTAAGCTGGTTCATTGCCAGGTCTGCTCCTGGAC
 TTCTGCCTGGCGCTCCTGGCCGACCGCGTCTGCAGTTCTTCTGGGGACCCCGAAGCTG
 AAAGTGCCTTCC

- 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_020410.2](#), [NP_065143.2](#)

RefSeq Size: 3887 bp

RefSeq ORF: 3615 bp

Locus ID: 57130

UniProt ID: [Q9HD20](#)

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]