

Product datasheet for **SC205391**

ATP2A1 (NM_004320) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP2A1 (NM_004320) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP2A1
Synonyms:	ATP2A; SERCA1
ACCN:	NM_004320
Insert Size:	354 bp
Insert Sequence:	>SC205391 3'UTR clone of NM_004320 The sequence shown below is from the reference sequence of NM_004320. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TTCGTTGCTCGGAACCTAGAGGGATAACTGTTCCCCCTCTCCATCTCTGAGCCCGTGTACAGAT CCAGAAGATGAAAGAAGGAAGTGAGCATCCTTTTGTCTGTCTCCACCCGATAGTGACACATCTT CAGGCAGAGCTGTGGCACAGACCCCGTCTGTCCCCACACCCGTGTCATGTGTCTGTTTATAAACAT GTCCCCTTCCCTTCTTCCCCCTCGGCCACCCGCTCCCTCTCAACCTGTAAATTCCCCTTCCCAAC CCCGAGGGGCTTGCAGGGACAAGGCGACCGACTGCGCTGAGCTGCTTATTATTGAAAATAAACGACGG AAAAGTCTG ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_004320.6</u>



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Summary: This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in three transcript variants encoding different isoforms. [provided by RefSeq, Oct 2013]

Locus ID: 487

MW: 13.3