

## Product datasheet for **SC214947**

### **SERCA3 (ATP2A3) (NM\_174955) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	SERCA3 (ATP2A3) (NM_174955) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP2A3
Synonyms:	SERCA3
ACCN:	NM_174955
Insert Size:	1535 bp



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**Insert Sequence:** >SC214947 3'UTR clone of NM\_174955  
 The sequence shown below is from the reference sequence of NM\_174955. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGAGTCTCCGGTGTGTACCTCAGACTGATGGTGCCCATGTGTTTCGCCTCCGCCCCACCCCTTGCCA
CCACACTCGCCCACTTGCCACCCGGGTCCCGCCGATAAATGACAGGCCCGAGGTCAGAATGGCCATCC
CCGGGCCCCGCTCTGGGGTCTCTGTCCCACTTCTTCTGGCCTGGGAGGTCTGTAATTCCTGTCTCCT
GGACTCTCCTGGGAAGTTCCTGCTCTGCAGCTCTGGCCAGGAGCTGCAGGCTGGGAGGGGGCAGCCA
AGAAGCCGGAGCTGGCAGCATACCCAGAGATCCGGGGCCCCCCCCAACCAATCACGAGTGCAGCTGG
AGCTTGCTCCCCCTTGTTCGGAAGCTGGACGTTCACTTGGTGACTGGTGCCTCTGCACTGACGGAGGAC
TCTGGGGTCTTCTTACCGGCTCTGACCTCTCTTCTCGTGCCTGGTCTGGGACTGGGTGAGCCCTGGG
GGATCAGAAGGGGCCATCTGGGCCAGCTGTGTACAGCGAGGGTGGGAGCCCCCTCCACTCCACTCTG
CTTCCACAAAGTCGGCTCCCGAGAGCTCGAGGCTGCTTCTGTTTATATGTGCAGGGCCCCGGCGGGTGA
AGGGTCAGAGAGACGGACACAAGGAGCCGGCAGGAGGGCGGAGCGAGGATGTCCTTTCCCGGGAGACAA
GTCCGGAAAGCCTGGCTGGACTGCCTCAGCCCCGCGCCCTCCTGGACTCAGGGTTCCTCCGCTCTGAGC
TCGGGAGATGTTAGAGTCACTGCGCCCGGTCTGCCACGCAGAGGTCCAACCTGCCACCCGCGTCC
CTGGTACCTGAGACCACCGACATCTCAGGTTCTGACCGTGGCGCCCTTCTACCCAGCCAGTGTGCG
GCCCGCGCTGTCTGCACAGCTGGGGGCTCTGAGCCTGGTGGGCTTCTGGACTCTTGGCCTCACTC
CTTGCCCCCTCCCACGACCCCATGAGCCGAAAGGATGCTACTAAGGATGGCTGATTCCTCAAGGGCA
CCGCTCTCCCTCCCTGCTGGAGGAACACGTCATATCAGATGAGAGGAAGATGGCCTCTGATGGA
CAGAATTTTTCTCTTAACCTCAGCTTTTGTACTTTGGCAAAAAGTACCGAGGGGTAGCAGAAACCTGCA
CCAAGGATTGTCCCTATGTCTTGGCCACTCTAGAGCGTGTGCAGACTGATGATTTTATATGTAATCA
AGACTCACATCCCTTTCTAGTCCCCACATCCAAGCCCTCAGCCTGCCTTGCAGACCAATGGGCTC
CATGTTCTGTAGCCCCCTCCCCTACGCCTCACCCCTCCTCCCTCTCACAGTTTCTGGGCGCCAGTGAG
AGAAACGCAGTGGGGGAGGCAGGGAGTCTGGTGCCTGCAGAGATTCTCTGCTTCTTCTGGGGGAGG
TGGGGAGGTCTTAGCAGGAGCGGGCCCTGTACCCACCTGCTGACCTGCTGTTTGGTAGAGAAATAAAGG
TTGTGTGACTGGGGAA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-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:** [NM\\_174955.3](#)

**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 calcium sequestration associated with muscular excitation and contraction. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Locus ID: 489  
MW: 54.4