

## Product datasheet for **SC202365**

### **S100A1 (NM\_006271) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	S100A1 (NM_006271) Human 3' UTR Clone
Symbol:	S100A1
Synonyms:	S100; S100-alpha; S100A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006271
Insert Size:	228 bp
Insert Sequence:	>SC202365 3'UTR clone of NM_006271 The sequence shown below is from the reference sequence of NM_006271. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> TGTAACAATTTCTTCTGGGAGAACAGT <b>TGA</b> GCAGACAGCCACATTGGGCAGCGCCCTTCTCTCCACCC TCCCAGACCTGCCTTCTCCCTGCTTCCACCTCACCCCACTTATCCCTCTCCATAACCCACCCCTTGC CCACCCACCCCAACCCCAAGGGCGCAAGAGTAGCGGTCCAAGCCTGCAACTCATCTTTCATTAA AGGCTTCTCTCACCAGCCA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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><a href="#">NM_006271.2</a></u>



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**Summary:**

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca<sup>2+</sup>-induced Ca<sup>2+</sup> release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSeq, Jul 2008]

**Locus ID:**

6271

**MW:**

8.5