

## Product datasheet for **SC214320**

### SAE1 (NM\_005500) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	SAE1 (NM_005500) Human 3' UTR Clone
Symbol:	SAE1
Synonyms:	AOS1; HSPC140; SUA1; UBLE1A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005500
Insert Size:	1415 bp



[View online »](#)

**Insert Sequence:** >SC214320 3'UTR clone of NM\_005500  
 The sequence shown below is from the reference sequence of NM\_005500. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGATTGTGGAGTGCCTTGGCCCAAGTGA ACTCAAGATTGGCAGCCCCAGAGATGCCAACTGCAGCA
TGCCACCTGTATTCCCTGTCCCTTCCCTTCATGAAGGCATCTCCAGGCAAGGAAAAGTGAAGTCATTG
GCCGATACAAAACATTTCTGCAACGAAGGAGGTGGTCCGACGTGCTGCTTCCATCACCAGCAGCT
GCTCGACAAGGGGCGCAGGGTGGCTGTCTTTGTTCCAGCACTGTTCCAGGCTGCCTGTATCCCGGGCCT
GCCAGCTCCCCTGAGTGATGAGCACTTCCAAGCACCCCTCTGCCCTTCTCTGTCCTTATGCTGTCCCG
GCCTCGCCAGCCCTCTGGGGCATTGTGGGAGATGCCTGCCAGGAATGAGCAAGCTCTGTTGCTCGGGAG
CCTCTTGTACCTTCTTGGACTTATCCACCTGATACCTTATAGAGAAAAGTGTGAATTCAGGTGGA
GAGTAGGCCAGGCCCATGAGGCACCAAGTGAAGCACAGCTCCAAGTTCAGACAGGTGCCCTTAGAGA
GGAAAACCATGACAGGCAATGCATTTCCCTCTGGAGTTTGAGACCCTGACAAACAACAGGTGGCATCTG
GTGTGCTGTTCTTGGATTTTCGTTTAGGATTAGTTGAGTTCAGCTGGGTTTTGGGAGAAAGGAGATGC
TACCAAGTCTTGGATGTTAGGGCGAGACCTGCAAGTTGAGTATTAGAGAGCTTGTCTTTCAAGGCAGG
TTCTGGGGCTTCCAGGGCTAGGAGGGAGAGCCTGCCCTTTTAAACAGAACCCAGTCACATGCGGCTCA
AGTCACTCAGAGGCTGTTGCATTTCCAGGGCTATGTTGGTCTTTTAACTCCTAAACCACAGCTGTT
TGTGTTTACATATGTTGTGAATTTTCCCTGGTCTTTTAAAGGAATGATAATAAAGTTACTTGCCTT
AGGATTTGCTTGTCTTCCACTTCCAGAGCTTCTGAGAGGGAATGGGATGATCCTACCAGTTGCCT
TTTCAGACCTGAGGCTTAAGTCAAGAGATTCCTCCTCCTCACCATTCTGCCACATTTTCTG
GGTGATGCAGCAAGAGTTAAATTGTTACATTCTAGAATGTGTAGAAGCTTCTGGCTCCAGTTGTCTAA
TGGATAATTACAGTAAATAGTGGCTATTTTCAAGTGGCAAGAATTATAATAATAAAGGGAAGTCAAAAAGT
GATGCTTCATATGCCCAAGTGCACAGCCGCTACGGGTCAGAGCTTTTATTGGAAGACCAGGTTTGCC
TTGATGCAGCCAAAGTGCCTTCCAGTTCACCCCACTCTTGCTTGTGTTTCTTATGAAATTGTGT
GATGTTTCAATAAATCAGTCTCTTCTATTCTGA
ACGCGT AAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
```

**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\\_005500.3](#)

**Summary:** Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 (MIM 613295) form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]). [supplied by OMIM, Mar 2010]

**Locus ID:** 10055

MW: 51.2