

Product datasheet for **SC214830**

SAE1 (NM_001145714) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SAE1 (NM_001145714) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SAE1
Synonyms:	AOS1; HSPC140; SUA1; UBLE1A
ACCN:	NM_001145714
Insert Size:	1510 bp



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Insert Sequence: >SC214830 3'UTR clone of NM_001145714
 The sequence shown below is from the reference sequence of NM_001145714. 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
TTGGAGGGATTTTGGCACAGGAAATTGTGAAGGCCCTGTCTCAGCGGACCTCCTCACAACAATTCT
TCTTCTCGATGGCATGAAGGGGAATGGGATTGTGGAGTGCCTTGGCCCCAAGTGAAGTCAAGATTGG
CAGCCCCAGAGATGCCAACTGCAGCATGCCACCTGTATTCCCTGTCCCCTTCTTCATGAAGGCATCT
CCAGGCAAGGAAAAGTGAAGTCAATTGGCCCGATACAAAACATTTCTGCAACGAAGGAGGTGGTGCCGA
CGTGCTGCTTCCCATCACCAGCAGCTGCTCGACAAGGGGCGCAGGGTGGCTGTCTTTGTTCCAGCACTG
TTCAGGCTGCCTGTCATCCGGGCTGCCAGCTCCCCTGAGTGATGAGCACTTCCAAGCACCCCTCTGC
CCTTTCTGTCTTATGCTGTCCGGCCTCGCCAGCCCTCTGGGGCATTGTGGGAGATGCCTGCCAGG
AATGAGCAAGCTCTGTTGCTCGGGAGCCTCTTGTACCTTCTTGGACTTATCCCCACCTGATACCTTA
TAGAGAAAAGTGTGAATTCAGGTGGAGAGTAGGCCAGGCCCATGAGGCACCAAGTGAAGCACAGCTC
CAAGTTCAGACAGGTGCCCTTAGAGAGGAAAACATGACAGGCAAATGCATTTCCCTCTGGAGTTTGA
CCCTGACAAAACAAGGTGGCATCTGGTGTGCTGTTCTTGAGTTTTCGTTTAGGATTAGTTGAGTTCCA
GCTGGGTTTTGGGAGAAAGGAGATGCTACCAAGTCTTGGATGTTAGGGCGAGACCCTGCAAGTTGAGTA
TTAGAGAGCTTGTCTTTCAAGGCAGGTTCTGGGGCTTCAAGGCTAGGAGGGAGGAGCCTGCCCTTTTA
ACAGAACCCAGTCACATGCGGCTCAAGTCACTCAGAGGCTGTTGCATTTCAAGGCTATGTTGGTCCCTT
TGTTTACCTCCTAAACCACAGCTGTTTGTGTTTACATATGTTTGAATTTTCTTGGTTCTTTTTAAA
GGAATGATAATAAAGTTACTTGTCTTTAGGATTTGCTTGTGTTTTTCTCCACTTCAGAAGCTCTGAGAGG
GAATGGGATGATCCTACCAGTTGCCTTTTTCAGACCTGAGGCTCTAACTCAAGAGATTCCTCCTCCCT
CACCATTCTGCCACCATTTTTTCTGGGTGATGCAGCAAGAGTTAAATTGTTACATTCTAGAATGTGT
AGAAGCTTCTGGCTCCAGTTGTCTAATGGATAATTCAGCTAAATAGTGGCTATTTTCAGTGGCAAGAAT
TATAATAATAAAGGGAAGTCAAAGTGATGCTTCATATGCCCAAAGTGCCACAGCCGCTACGGGTGAGA
GCTTTTATTGGAAGACCAGGTTTGCCTTGATGCAGCCAAAGTGCCTTCCAGTTACCCCCACTCTTGCTT
GTGTTTCTTCTTATGTAATTTGTGTGATGTTTCAATAAATCAGTCTCTTTCTATTCTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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_001145714.2](#)

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: 57.3