

## **Product datasheet for AR09547PU-N**

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### SAE1 / AOS1 (1-346, T7-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** SAE1 / AOS1 (1-346, T7-tag) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MHHHHHHMAS MTGGQQMGRD LYDDDDKDRW GSMVEKEEAG GGISEEEAAQ YDRQIRLWGL

EAQKRLRASR VLLVGLKGLG AEIAKNLILA GVKGLTMLDH EQVTPEDPGA QFLIRTGSVG RNRAEASLER AQNLNPMVDV KVDTEDIEKK PESFFTQFDA VCLTCCSRDV IVKVDQICHK NSIKFFTGDV FGYHGYTFAN LGEHEFVEEK TKVAKVSQGV EDGPDTKRAK LDSSETTMVK KKVVFCPVKE ALEVDWSSEK AKAALKRTTS DYFLLQVLLK FRTDKGRDPS SDTYEEDSEL LLQIRNDVLD SLGISPDLLP EDFVRYCFSE MAPVCAVVGG ILAQEIVKAL SQRDPPHNNF

FFFDGMKGNG IVECLGPK

Tag: T7-tag

Predicted MW: 42.2 kDa

**Concentration:** lot specific

Purity: >90% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human SAE1 protein, fused to His-T7-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeg:** NP 001139185

 Locus ID:
 10055

 UniProt ID:
 Q9UBE0

 Cytogenetics:
 19q13.32





#### SAE1 / AOS1 (1-346, T7-tag) Human Protein – AR09547PU-N

**Synonyms:** AOS1; HSPC140; SUA1; UBLE1A

Summary: Posttranslational modification of proteins by the addition of the small protein SUMO (see

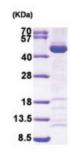
SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular

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]

**Protein Pathways:** Ubiquitin mediated proteolysis

# **Product images:**



15% SDS-PAGE (3ug)