

Product datasheet for AR09547PU-L

OriGene Technologies, Inc.

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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, 0.25 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MHHHHHHMAS MTGGQQMGRD LYDDDDKDRW GSMVEKEEAG GGISEEEAAQ YDRQIRLWGL or AA Sequence: 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

>90% by SDS - PAGE **Purity:**

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.

RefSeq: NP 001139185

Locus ID: 10055 **UniProt ID:** Q9UBE0 Cytogenetics: 19q13.32





SAE1 / AOS1 (1-346, T7-tag) Human Protein - AR09547PU-L

Synonyms: AOS1; HSPC140; SUA1; UBLE1A

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

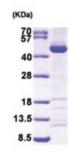
SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular

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)