

## Product datasheet for TP327950

### SAE1 (NM\_016402) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SUMO1 activating enzyme subunit 1 (SAE1), transcript variant 1
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	Recombinant protein was produced with TrueORF clone, RC227950.
Tag:	C-Myc/DDK
Predicted MW:	38.2 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
RefSeq:	<a href="#">NP_057486</a>
Locus ID:	10055
RefSeq Size:	2538
Cytogenetics:	19q13.32
RefSeq ORF:	1038
Synonyms:	AOS1; FLJ3091; 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



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**Product images:**