

Recombinant Mouse Sae1 Protein, Myc/DDK-tagged

Cat. No. Sae1-5678M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SUMO1 activating enzyme subunit 1 (Sae1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The heterodimer acts as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2.
Molecular Mass	38.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Sae1 SUMO1 activating enzyme subunit 1 [Mus musculus (house mouse)]
Official Symbol	Sae1
Synonyms	SAE1; SUMO1 activating enzyme subunit 1; SUMO-activating enzyme subunit 1; SUMO-1 activating enzyme subunit 1; ubiquitin-like 1-activating enzyme E1A; ubiquitin-like (sentrin) activating enzyme E1A; ubiquitin-like 1 (sentrin) activating enzyme E1A; ubiquitin-like 1 (sentrin) activating enzyme subunit 1; AOS1; Sua1; Uble1a; HSPC140; AL033372; AW743391; D7Ert177e; 2400010M20Rik; 2610044L12Rik
Gene ID	56459
mRNA Refseq	NM_019748
Protein Refseq	NP_062722
UniProt ID	Q9R1T2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA