

## Recombinant Mouse Sae1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length SUMO1 activating enzyme subunit 1 (Sae1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	38.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## 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; D7Erd177e; 2400010M20Rik; 2610044L12Rik

**Gene ID** 56459

**mRNA Refseq** NM\_019748

**Protein Refseq** NP\_062722

**UniProt ID** Q9R1T2

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