Active Recombinant Human SAE1/SAE2

Cat. No. SAE1-104H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO E1 enzyme is a heterodimer of His-tagged SAE1 and untagged SAE2, was expressed in E.coli.
Species	Human
Source	E.coli
Form	Liquid. 20mM Tris, 150 mM NaCl, 2 mM βME, 10% glycerol
Bio-activity	100nM is used for in vitro conjugation
Molecular Mass	39 kDa and 73 kDa
Purity	>80%
Storage	Store at -80℃. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	SAE1 SUMO1 activating enzyme subunit 1 [Homo sapiens]
Official Symbol	SAE1
Synonyms	SAE1; SUMO1 activating enzyme subunit 1; SUMO-activating enzyme subunit 1; activator Of sumo 1; AOS1; FLJ3091; Sua1; activator of SUMO1; SUMO-1 activating

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	enzyme subunit 1; sentrin/SUMO-activating protein AOS1; SUMO-1 activating enzyme E1 N subunit; ubiquitin-like 1-activating enzyme E1A; ubiquitin-like protein SUMO-1 activating enzyme; SUA1; UBLE1A; HSPC140;
Gene ID	10055
mRNA Refseq	NM_001145713
Protein Refseq	NP_001139185
MIM	613294
UniProt ID	Q9UBE0
Chromosome Location	19q13.32
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;
Function	ATP-dependent protein binding; contributes_to SUMO activating enzyme activity; enzyme activator activity; ligase activity; nucleotide binding; protein C-terminus binding; protein binding; protein heterodimerization activity; protein heterodimerization activity; ubiquitin activating enzyme activity;

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