Active Recombinant Full Length Human SAE1 Protein, C-Flag-tagged

Cat. No. SAE1-436HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SAE1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Posttranslational modification of proteins by the addition of the small protein SUMO, or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	ELISA capture for autoantibodies
Molecular Mass	38.3 kDa
AA Sequence	MVEKEEAGGGISEEEAAQYDRQIRLWGLEAQKRLRASRVLLVGLKGLGAEIAKNLIL AGVKGLTMLDHEQ VTPEDPGAQFLIRTGSVGRNRAEASLERAQNLNPMVDVKVDT EDIEKKPESFFTQFDAVCLTCCSRDVIV KVDQICHKNSIKFFTGDVFGYHGYTFANLG EHEFVEEKTKVAKVSQGVEDGPDTKRAKLDSSETTMVKKK VVFCPVKEALEVDWS SEKAKAALKRTTSDYFLLQVLLKFRTDKGRDPSSDTYEEDSELLLQIRNDVLDSL GIS PDLLPEDFVRYCFSEMAPVCAVVGGILAQEIVKALSQRDPPHNNFFFFDGMKGNGIV

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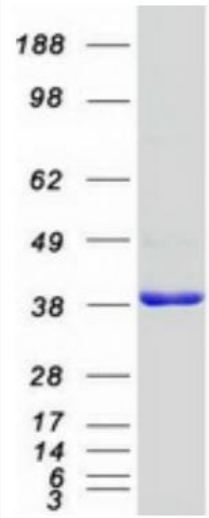
	ECLGPKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Ubiquitin mediated proteolysis
Full Length	Full L.

GENE INFORMATION

Gene Name	SAE1 SUMO1 activating enzyme subunit 1 [Homo sapiens (human)]
Official Symbol	SAE1
Synonyms	AOS1; SUA1; UBLE1A; HSPC140
Gene ID	10055
mRNA Refseq	NM_005500.3
Protein Refseq	NP_005491.1

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MIM	613294
UniProt ID	Q9UBE0



Coomassie blue staining of purified SAE1 protein.

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