

Active Recombinant Human SUMO1 protein, His-tagged

Cat. No. SUMO1-561H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SUMO1 protein(AAH66306.1) (Ser 2-Val 101) was expressed in E.coli, with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	2-101 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.5.
Bio-activity	Measured by its ability to be proteolytically processed by SENP1. >50% of 1 µg Recombinant Human (rh) SUMO1 is cleaved by < 10 ng of recombinant human SENP.
Molecular Mass	The recombinant human SUMO1 consisting of 107 amino acids and has a calculated molecular mass of 12.4 kDa. It migrates as an 22 kDa band in SDS-PAGE under reducing conditions as predicted.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name SUMO1 SMT3 suppressor of mif two 3 homolog 1 (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol SUMO1

Synonyms

SUMO1; SMT3 suppressor of mif two 3 homolog 1 (*S. cerevisiae*); SMT3 suppressor of mif two 3 homolog 1 (yeast), ubiquitin like 1 (sentrin), UBL1; small ubiquitin-related modifier 1; GMP1; OFC10; PIC1; SMT3C; SMT3H3; SUMO 1; sentrin; SMT3 homolog 3; GAP modifying protein 1; ubiquitin-like protein UBL1; ubiquitin-like protein SMT3C; ubiquitin-homology domain protein PIC1; DAP1; SMT3; UBL1; SENP2;

Gene ID 7341

mRNA Refseq NM_001005781

Protein Refseq NP_001005781

MIM 601912

UniProt ID P63165

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