

Recombinant Human SMT3 Suppressor Of Mif Two 3 Homolog 1 (S. Cerevisiae), His-tagged

Cat. No. SUMO1-1293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SUMO1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	SUMO1, also known as small ubiquitin-related modifier 1, is a member of the SUMO protein family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SUMO1 protein participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
Molecular Weight	12.6 kDa (109aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90 % by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford)
Sequences of amino	MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKKLKES

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acids	YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEDVIEV YQEQTGGHST VLEHHHHHH
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	SUMO1 SMT3 suppressor of mif two 3 homolog 1 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	SUMO1
Synonyms	SUMO1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; SUMO-1; UBL1; DAP-1;SUMO1; SMT3 suppressor of mif two 3 homolog 1; sentrin; GAP modifying protein 1; ubiquitin-like 1 (sentrin); GAP-modifying protein 1; SMT3 homolog 3; SMT3 suppressor of mif two 3 homolog 1 (<i>S. cerevisiae</i>); SMT3 suppressor of mif two 3 homolog 1 (yeast); Ubiquitin-homology domain protein PIC1; Ubiquitin-like protein SMT3C; Ubiquitin-like protein UBL1.
Gene ID	7341
mRNA Refseq	NM_003352
Protein Refseq	NP_003343
MIM	601912
UniProt ID	P63165
Chromosome Location	2q33

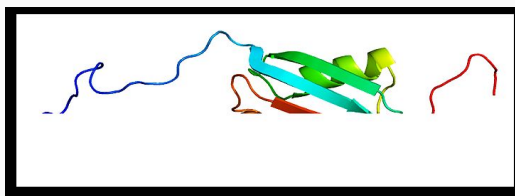
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Function	protein binding
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PDB rendering based on 1a5r.	
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