

Recombinant Human SUMO3, His-tagged

Cat. No. SUMO3-251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SUMO3 (1-92) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-92 a.a.
Description	SUMO3 is a member of the SUMO (small ubiquitin-like modifier) protein family which functions in a manner similar to ubiquitin. SUMO3 is bound to target proteins as part of a post-translational modification system and modifies numerous cellular proteins and affect their metabolism and function. SUMO3 is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO3 predominantly detected in the cytoplasm.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~17 kDa
Purity	>95% by densitometry
Applications	Western Blot

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	SUMO3 SMT3 suppressor of mif two 3 homolog 3 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	SUMO3
Synonyms	SUMO3; SMT3 suppressor of mif two 3 homolog 3 (<i>S. cerevisiae</i>); SMT3 (suppressor of mif two 3, yeast) homolog 1 , SMT3 suppressor of mif two 3 homolog 3 (yeast) , SMT3H1; small ubiquitin-related modifier 3; SMT3A; SUMO-2; SMT3 homolog 1; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 1; Smt3B; SMT3H1; SUMO-3;
Gene ID	6612
mRNA Refseq	NM_006936
Protein Refseq	NP_008867
MIM	602231
UniProt ID	P55854
Chromosome Location	21q22.3

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Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	SUMO ligase activity; protein binding;

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