

Recombinant Human SUMO2, His-tagged

Cat. No. SUMO2-250H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SUMO2 (1-93) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-93 a.a.
Description	SUMO2 is a member of the SUMO (small ubiquitin-like modifier) protein family which functions in a manner similar to ubiquitin. SUMO2 is bound to target proteins as part of a post-translational modification system and modifies numerous cellular proteins and affect their metabolism and function. SUMO2 is also involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO2 is predominantly detected on nuclear bodies.
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	~17.5 kDa
Purity	>90% 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	SUMO2 SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	SUMO2
Synonyms	SUMO2; SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>); SMT3 (suppressor of mif two 3, yeast) homolog 2 , SMT3 suppressor of mif two 3 homolog 2 (yeast) , SMT3H2; small ubiquitin-related modifier 2; SMT3B; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; small ubiquitin-like modifier 2; HSMT3; SUMO3; Smt3A; SMT3H2; MGC117191;
Gene ID	6613
mRNA Refseq	NM_001005849
Protein Refseq	NP_001005849
MIM	603042
UniProt ID	P61956
Chromosome Location	17q25

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Pathway	Glucocorticoid receptor regulatory network, organism-specific biosystem; Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	protein binding; ubiquitin protein ligase binding;

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