

Recombinant Human SENP6 Protein, His-tagged

Cat. No. SENP6-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SENP6 (637-1112) protein with a N-terminal His-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	637-1112
Description	Ubiquitin-like molecules (UBLs), such as SUMO1, are structurally related to ubiquitin and can be ligated to target proteins in a similar manner as ubiquitin. However, covalent attachment of UBLs does not result in degradation of the modified proteins. SUMO1 modification is implicated in the targeting of RANGAP1 to the nuclear pore complex, as well as in stabilization of I-kappa-B-alpha from degradation by the 26S proteasome. Like ubiquitin, UBLs are synthesized as precursor proteins, with 1 or more amino acids following the C-terminal glycine-glycine residues of the mature UBL protein. Thus, the tail sequences of the UBL precursors need to be removed by UBL-specific proteases, such as SENP6, prior to their conjugation to target proteins. SENPs also display isopeptidase activity for deconjugation of SUMO-conjugated substrates.
Applications	Active Enzymes

GENE INFORMATION

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Gene Name	SENP6 SUMO specific peptidase 6 [Homo sapiens (human)]
Official Symbol	SENP6
Synonyms	SENP6; SUMO specific peptidase 6; SSP1; SUSP1; sentrin-specific protease 6; 2810017C20Rik; SUMO-1-specific protease 1; SUMO1/sentrin specific peptidase 6; SUMO1/sentrin specific protease 6; sentrin/SUMO-specific protease SENP6
Gene ID	26054
mRNA Refseq	NM_001100409
Protein Refseq	NP_001093879
MIM	605003
UniProt ID	Q9GZR1

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