

Active Recombinant Human SENP2 protein, His-tagged

Cat. No. SENP2-152H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SENP2 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	SUMO1 (UBL1; MIM 601912) is a small ubiquitin-like protein that can be covalently conjugated to other proteins. SENP2 is one of a group of enzymes that process newly synthesized SUMO1 into the conjugatable form and catalyze the deconjugation of SUMO1-containing species.
Form	50 mM HEPES, pH 7.5, 150 mM NaCl, 10% glycerol
Bio-activity	$\geq 10^5$ Units/mg
Molecular Mass	28 kDa
Purity	$\geq 95\%$ by SDS-PAGE and RP-HPLC
Unit Definition	1 Unit of SUMO Protease 2 cleaves >90% of 100 μ g SUMO Protease 2 Control Protein in 1 hour (37 centigrade)
Applications	Useful for removal of SUMO-tags from recombinant SUMO fusion proteins

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Storage

Store at or below –80 centigrade. Stable as supplied for up to 1 year when stored dessicated at –80 centigrade. Avoid freeze/thaw cycles.

GENE INFORMATION
Gene Name

SENP2 SUMO1/sentrin/SMT3 specific peptidase 2 [Homo sapiens]

Official Symbol

SENP2

Synonyms

SENP2; SUMO1/sentrin/SMT3 specific peptidase 2; SUMO1/sentrin/SMT3 specific protease 2; sentrin-specific protease 2; AXAM2; DKFZp762A2316; KIAA1331; SMT3IP2; SMT3-specific isopeptidase 2; sentrin/SUMO-specific protease SENP2;

Gene ID

59343

mRNA Refseq

NM_021627

Protein Refseq

NP_067640

MIM

608261

UniProt ID

Q9HC62

**Chromosome
Location**

3q28

Pathway

Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;

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Function

SUMO-specific protease activity; cysteine-type peptidase activity; peptidase activity; protein binding; protein domain specific binding;

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