

Recombinant Human SENP3 Protein (E301-V574), GST tagged

Cat. No. SENP3-0896H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-GG-SENP3(E301-V574 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	E301-V574
Description	Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability. Deconjugates SUMO2 and SUMO3 from CDCA8. Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300. Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1. Plays a role in the regulation of sumoylation status of ZNF148. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes. Deconjugates SUMO2 from KAT5.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SEN3 SUMO1/sentrin/SMT3 specific peptidase 3 [Homo sapiens (human)]
Official Symbol	SEN3
Synonyms	SEN3; SUMO1/sentrin/SMT3 specific peptidase 3; SUMO1/sentrin/SMT3 specific protease 3; sentrin-specific protease 3; DKFZP586K0919; DKFZp762A152; SMT3IP1; SSP3; Ulp1; SUMO-1-specific protease 3; sentrin/SUMO-specific protease 3; DKFZp586K0919;
Gene ID	26168
mRNA Refseq	NM_015670
Protein Refseq	NP_056485
MIM	612844

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UniProt ID

Q9H4L4

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