

Recombinant Human SENP6 Protein (K628-D1112), GST tagged

Cat. No. SENP6-0894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-GG-SENP6(K628-D1112 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	K628-D1112
Description	Protease that deconjugates SUMO1, SUMO2 and SUMO3 from targeted proteins. Processes preferentially poly-SUMO2 and poly-SUMO3 chains, but does not efficiently process SUMO1, SUMO2 and SUMO3 precursors. Deconjugates SUMO1 from RXRA, leading to transcriptional activation. Involved in chromosome alignment and spindle assembly, by regulating the kinetochore CENPH-CENPI-CENPK complex. Desumoylates PML and CENPI, protecting them from degradation by the ubiquitin ligase RNF4, which targets polysumoylated proteins for proteasomal degradation. Desumoylates also RPA1, thus preventing recruitment of RAD51 to the DNA damage foci to initiate DNA repair through homologous recombination.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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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	SEN6 SUMO1/sentrin specific peptidase 6 [Homo sapiens (human)]
Official Symbol	SEN6
Synonyms	SEN6; SUMO1/sentrin specific peptidase 6; SUMO1/sentrin specific protease 6; sentrin-specific protease 6; KIAA0797; SUSP1; 2810017C20Rik; SUMO-1-specific protease 1; sentrin/SUMO-specific protease SEN6; SSP1; FLJ11355; FLJ11887; KIAA0389;
Gene ID	26054
mRNA Refseq	NM_001100409
Protein Refseq	NP_001093879
MIM	605003
UniProt ID	Q9GZR1

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