

Active Recombinant Human SENP2, His-tagged

Cat. No. SENP2-689H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SENP2, fused with an N-terminal Gly-Ser-Ser and 6-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	SUMO1 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	X mg/ml (X mM) in 50 mM HEPES pH 8.0, 100 mM NaCl, 10% Glycerol, 5 mM DTT.
Bio-activity	Recombinant Human His6-SENP2 Catalytic Domain is a SUMO-specific deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-SENP2 Catalytic Domain concentration of 50-500 nM. A 15 minute pre-incubation with 10 mM DTT is recommended to achieve maximum activity.
Molecular Mass	29 kDa
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie? Blue stain.

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -70 °C as supplied. 3 months, -70 °C under sterile conditions after opening.

GENE INFORMATION

Gene Name [SENP2 SUMO1/sentrin/SMT3 specific peptidase 2 \[Homo sapiens \]](#)

Official Symbol [SENP2](#)

Synonyms [SENP2](#); [SUMO1/sentrin/SMT3 specific peptidase 2](#); [AXAM2](#); [SMT3IP2](#); [KIAA1331](#); [DKFZp762A2316](#); [sentrin-specific protease 2](#); [SMT3-specific isopeptidase 2](#); [sentrin/SUMO-specific protease](#) [SENP2](#); [SUMO1/sentrin/SMT3 specific protease 2](#); [EC 3.4.22.68](#)

Gene ID [59343](#)

mRNA Refseq [NM_021627](#)

Protein Refseq [NP_067640](#)

MIM [608261](#)

UniProt ID [Q9HC62](#)

Chromosome Location [3q27.2](#)

Pathway [Wnt signaling pathway](#); [Metabolism of proteins](#); [Nuclear pore complex](#)

Function [SUMO-specific protease activity](#); [protein binding](#); [protein domain specific binding](#)

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