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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA