

## Active Recombinant Human SENP2, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SENP2, fused with an N-terminal Gly-Ser-Ser and 6-His tag, was expressed in E. coli.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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.                                                                                                 |
| <b>Form</b>             | X mg/ml (X mM) in 50 mM HEPES pH 8.0, 100 mM NaCl, 10% Glycerol, 5 mM DTT.                                                                                                                                                                                                                                                                                  |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | 29 kDa                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >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](mailto: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**

SEN2 SUMO1/sentrin/SMT3 specific peptidase 2 [ Homo sapiens ]

**Official Symbol**

SEN2

**Synonyms**

SEN2; SUMO1/sentrin/SMT3 specific peptidase 2; AXAM2; SMT3IP2; KIAA1331; DKFZp762A2316; sentrin-specific protease 2; SMT3-specific isopeptidase 2; sentrin/SUMO-specific protease SEN2; 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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA