

## Active Recombinant Human Protease Protein, 6×His tagged

**Cat. No.** Protease-01    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**

Recombinant SUMOstar Protease 1 specifically recognizes and cleaves the SUMOstar tag from recombinant fusion proteins made with SUMOstar expression systems. Unlike thrombin, EK, or TEV proteases, which recognize short, linear sequences, SUMOstar Protease 1 recognizes the tertiary structure of SUMOstar. As a result, SUMOstar Protease 1 will not cleave within the protein of interest. SUMOstar Protease 1 will not cleave SUMO-tags from proteins expressed with the SUMOpro or SUMOpro3 systems. To cleave the SUMOpro tag (original yeast SUMO tag), please use SUMO Protease 1 and to cleave SUMOpro3 tag please use SUMO Protease 2.

**Species** Human

**Source** E.coli

**Form** Liquid

**Bio-activity** 1 U will cleave > 90 µg of SUMOstar-GFP in 1 hr at 37 centigrade.

**Molecular Mass** 26.4 kDa

**Purity** > 95% by SDS-PAGE and RP-HPLC

**Applications** Removal of SUMOstar tags from recombinant, fusion proteins.

**Storage** At -80 centigrade, avoid freeze/thaw cycles.

 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

|                       |                                               |
|-----------------------|-----------------------------------------------|
| <b>Storage Buffer</b> | 50 mM Hepes pH 7.5, 150 mM NaCl, 10% glycerol |
|-----------------------|-----------------------------------------------|

## GENE INFORMATION

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| <b>Official Symbol</b> | Protease |
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| <b>Synonyms</b> | Protease |
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