Materials Provided

Components	Size
SUMO Protease	1000 U/5000 U
SUMO protease 10× Reaction Buffer (-Salt)	1.8 mL
SUMO protease 10× Reaction Buffer (+Salt)	1.8 mL

Product Details

SUMO Protease is a recombinant form of Saccharomyces cerevisiae protease produced in Escherichia coli. SUMO protease can recognize the SUMO tertiary structure and cleave it, has high specificity, and there would be no amino acid residues. This product contains His-tag which can be removed by Ni2+ affinity chromatography resin.

Application

Remove SUMO-tag in any recombinant SUMO fusion protein.

Unit Definition

One unit of SUMO Protease cleaves ≥ 85% of 2 μg control substrate in 1 h at 30℃.

Purity

>95% as determined by SDS-PAGE.

Enzyme Activity

>10 U/μL

Endotoxin

Less than 0.2 EU per μg by the LAL method / rFC method.

Formulation

Supplied as 0.2 μm filtered solution in 250 mM NaCl, pH 8.0 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

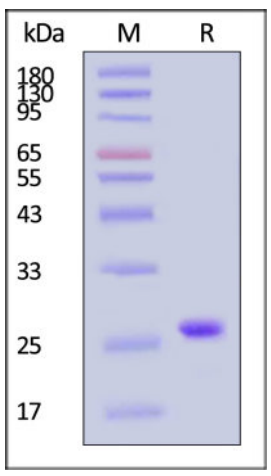
Storage

This product is stable after storage at:

- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 3 months under sterile conditions.

*The 10× Reaction Buffer provided in this kit contains DTT, a sulfhydryl reducing agent essential for maintaining enzyme activity. When employing the 10× Reaction Buffer exposed to prolonged storage or repeated freeze-thaw cycles, fresh 10 mM DTT should be supplemented to the Reaction Buffer to ensure maximal enzymatic activity, as oxidative degradation of DTT progressively compromises its reducing capacity.

SDS-PAGE



The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

Bioactivity

One unit of SUMO Protease cleaves ≥ 85% of 2 μg control substrate in 1 h at 30°C (QC tested).