



Product Datasheet

SUMO Protease (ULP1), His Tag

Catalog Number	AP0006
Species	Saccharomyces cerevisiae
Expression System	E. coli
Molecular Weight	27.8 kDa
Purity	> 95 % as determined by SDS-PAGE
Formulation	Liquid
Tag	6x His tag at N-term
Biological Activity	Cleavage efficiency depends on the distance between the SUMO tag and the protein. Generally, a 1:200 ratio with one-hour incubation at room temperature achieves >99% SUMO tag cleavage.
Formulation	50% Glycerol, 5 mM DTT, 150 mM NaCl, 20 mM Tris pH7.8
Storage Condition	Store at -20°C for 2 years, or at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.
Unit Definition	One unit of SUMO Protease (ULP1) cleaves > 90% of 2 µg control substrate at 30°C for 1 h.

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Data Image

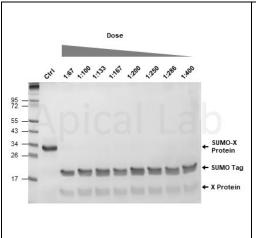


Fig1. Activity analysis.

SUMO-X fusion protein were subjected to cleavage using a series of diluted SUMO Protease (ULP1), His Tag. The resulting fragments were then separated using SDS-PAGE under reducing and denaturing conditions and subsequently visualized using Coomassie blue stain.

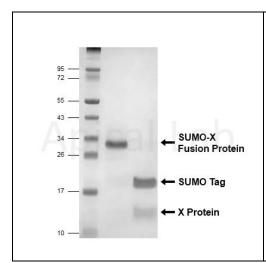


Fig2. Activity analysis.

 $2~\mu g$ of SUMO-X fusion protein was cleaved by incubating with one unit of SUMO Protease (ULP1) at 30°C for 1 hour. The resulting fragments were separated through SDS-PAGE under reducing and denaturing conditions and were later visualized using Coomassie blue stain.

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