

Recombinant *S. cerevisiae* ULP1 protein

Cat. No. ULP1-1571S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein <i>Saccharomyces cerevisiae</i> (yeast) Ulp1 was expressed in <i>E. coli</i> .
Species	<i>S.cerevisiae</i>
Source	<i>E.coli</i>
Description	Yeast Ulp1 is a highly active protease which specifically recognizes the tertiary structure of ubiquitin-like protein, SUMO rather than a short sequence as other commonly used proteases such as Thrombin, TEV, and EK. The protease can be used to cleave the SUMO from recombinant fusion proteins at 30 centigrade or 4 centigrade at pH 7.0-7.9. After digestion, the His-Tagged Ulp1 can be easily removed by His tag affinity chromatography.
Form	50 mM Tris-HCl, (pH7.5), 150 mM NaCl, 1 mM DTT, and 50% glycerol.
Molecular Mass	27 kDa
Unit Definition	1U cleaves 85% of 100 ug of sumo-fusion protein at 30 centigrade for 1 hour or 80% at 4 centigrade overnight in a buffer containing 50 mM Tris-HCl (pH 7.5), 100 mM NaCl, 1 mM DTT, and 10% glycerol.
Storage	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	ULP1 SUMO protease ULP1 [<i>Saccharomyces cerevisiae</i> S288c]
Official Symbol	ULP1
Synonyms	ULP1; SUMO protease ULP1
Gene ID	856087
mRNA Refseq	NM_001183834.1
Protein Refseq	NP_015305.1
UniProt ID	Q02724

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