# Recombinant Yeast ULP1/SUMO protease

## Catalog No.: RPT0029LQ

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## Sequence Information

**Species**
Yeast

**Gene ID**
856087

**Swiss Prot**
Q02724

**Tags**
N-6His

**Synonyms**
ULP1, YPL020C, LPB11C,Ubiquitin-like-specific protease 1

## Product Information

**Source**
*E. coli*

**Purification**
≥ 90% as determined by SDS-PAGE.

**Calculated MW**
26.31 kDa

**Observed MW**
25-35 kDa

**Endotoxin**
< 0.01 EU/μg of the protein by LAL method

**Formulation**
Supplied as 0.22 μm filtered solution in 20mM Tris，150mM NaCl，50% glycerol,pH8.0

**Reconstitution**

## Background

Ulp1 is a protease which is naturally present in yeast and specifically cleaves Ubl proteins (ubiquitin-like proteins) such as SUMO1 and Smt3 from other proteins. Ulp1 is a valuable tool in molecular biology for cleaving SUMO-tags from recombinant proteins.

## Basic Information

**Description**
Recombinant Yeast Ubiquitin-like-specific protease 1/ULP1 protease Protein is produced by E. coli expression system. The target protein is expressed with sequence (Leu403-Lys621) of Yeast Ubiquitin-like-specific protease 1/ULP1 (Accession #NP_015305.1) fused with a His tag at the N-terminus.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -80℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

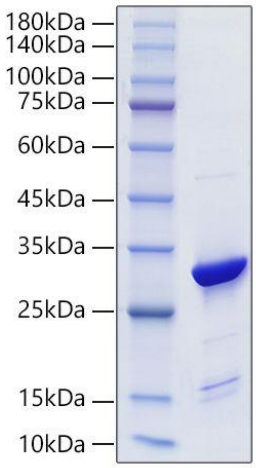
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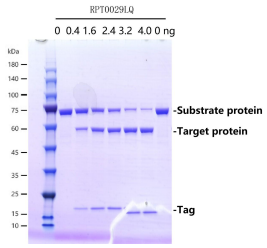


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## Validation Data




Recombinant Yeast ULP1/SUMO protease was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




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