

Catalog No.: RPT0029LQ **Recombinant**

Species	Gene ID	Swiss Prot
Yeast	856087	Q02724

N-6His

Synonyms
ULP1; YPL020C; LPB11C; Ubiquitin-like-specific protease 1

Source	Purification
<i>E. coli</i>	≥ 90% as determined by SDS-PAGE.

Calculated MW	Observed MW
26.31 kDa	25-35 kDa

< 0.01 EU/μg of the protein by LAL method

Supplied as 0.22 μ m filtered solution in 20mM Tris□150mM NaCl□50% glycerol,pH8.0

Contact

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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.

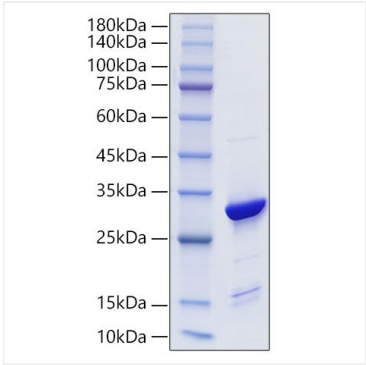
Recombinant Yeast Ubiquitin-like-specific protease 1/ULP1 protease Protein is produced by E. coli expression system. The target protein is expressed with sequence (Leu403-Lys621) of Yeast Ubiquitin-like-specific protease 1/ULP1 (Accession #NP_015305.1) fused with a His tag at the N-terminus.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

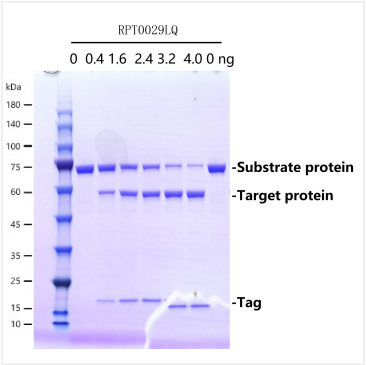
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

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

Validation Data



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



One unit of SUMO Protease cleaves $\geq 85\%$ of 2 μ g control substrate in 1 h at 30 °C