

Enzymax, LLC

870 Corporate Drive, suite 201,
Lexington, KY 40503

Product Information

Product Name: Ulp1
Catalog #: 84
Size: 250U, 500U, 1000U
Price: \$150/250U

Order: info@enzymax.net
Tel: 859-219-8482
Fax: 859-219-0653
Web: www.enzymax.net

Product: His-tagged Sumo Protease (Ulp1)

Suggested dilution buffer (not included):
50 mM Tris-HCl (pH 7.5), 1 mM DTT, 50% glycerol.

Product description or back ground:

Enzymax recombinant 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°C or 4°C at pH 7.0-7.9. After digestion, the His-Tagged Ulp1 can be easily removed by His tag affinity chromatography.

Source: Recombinant protein
Saccharomyces cerevisiae (yeast) Ulp1 expressed in *E. coli*.

Molecular Weight: 27 kDa

Unit definition: 1U can cleave ~85% of 100ug of sumo-fusion protein at 30°C for 1 hour or 80% at 4°C for overnight.

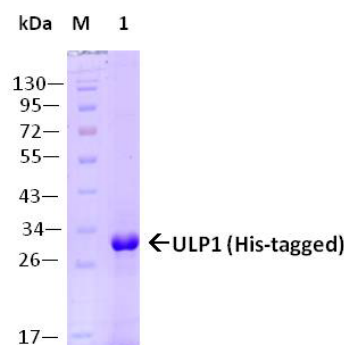
Presentation:

Purified Ulp 1 protein in 50 mM Tris/HCl, (pH7.5), 150 mM NaCl, 1 mM DTT, and 50% glycerol.

Storage:

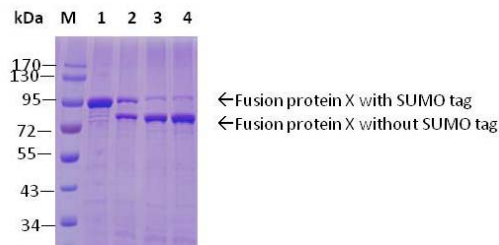
Stable for 2 years at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

SDS PAGE for Ulp1 purification:



Purified yeast Ulp1 The protein (200 ng) was analyzed by electrophoresis on a 15% SDS-polyacrylamide gel and visualized by staining with Coomassie blue.

SDS PAGE for Ulp1 cleavage:



ULP1 Cleavage of SUMO fusion protein X

Lane M: Protein marker
Lane 1: Protein X w/o ULP1
Lane 2: Protein X with ULP1 at 30°C for 15 min.
Lane 3: Protein X with ULP1 at 30°C for 60 min.
Lane 4: Protein X with ULP1 at 4°C for 20 hours.