For research use only ISO9001

Ulp1 SUMO Protease

Product	Quantity	Cat. No.	Remarks
Ulp1 SUMO Protease, 6x His	500 unit	EBF-1031	10 unit/㎕

Description

Ulp1 (Ub1-specific protease) is a yeast SUMO protease involved in hydrolysis of the alpha-linked peptide bond in the sequence Gly-Gly-/-Ala-Thr-Tyr at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptide, Smt3, result in its maturation. The catalytic portion (403-621) of Ulp1 has been used for cleavage of recombinant SUMO fusion protein to make native protein production. Since the protease recognizes the tertiary structure of SUMO protein, it cleavea the junction of the SUMO and interesting protein in a highly specific manner.

Ulp1 (403-621 aa) was overexpressed and purified from *E.coli* strain as His-tagged form.

- Removal of SUMO tag from recombinant fusion protein.
- Highly specific cleavage.
- Broad range of active temperature (4°C ~ 37°C).

Concentration & Storage Condition

10 unit/μl. Store at -20℃.

Storage Buffer

50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 1 mM DTT, 50% glycerol.

Reaction condition

50 mM Tris-HCl, pH 7.5, 100 mM NaCl, 1 mM DTT, 10% glycerol.

Unit Definition

One unit is defined as the amount of enzyme required to cleave > 85% of 100 μg of sumo-fusion protein at 37°C for 1 hour or 4°C for overnight.

QC Tests

Activity test, SDS-PAGE purity.

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