Data Sheet (Cat.No.TMPS-00130)

TargetMol

SUMO Protease Protein, S. cerevisiae, Recombinant (His)

General Information

Species: Saccharomyces cerevisiae

Molecular Weight: 27 kDa (Predicted)

QC Testing

Biological Activity: 10 U/μl Unit definition: One unit of SUMO Protease cleaves ≥ 85% of 2 μg control substrate in 1 h at 30℃

Purity: ≥ 95% as determined by SDS-PAGE

Formulation: 25 mM Tris-HCl, 0.1% Igepal (NP-40), 250 mM NaCl, 0.5 mM DTT 50% (v/v) glycerol, pH 8.0

Preparation and Storage

Stability & Storage:

Upon receiving, the product remains stable for up to 6 months at -20 °C. This product is stable for up to 1 week at 37 °C. Avoid repeated freeze-thaw cycles by making single-use aliquots before the solution is stored at -20 °C.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

SUMO protease, also known as Ulp, is a highly specific enzyme that removes small ubiquitin-like modifier (SUMO) from recombinant SUMO fusion proteins. Unlike proteases such as enterokinase or TEV, which recognize linear amino acid sequences, SUMO protease recognizes the native tertiary structure of SUMO, allowing precise cleavage without leaving extra residues at the cleavage site.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481