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Product Data Sheet

SUMO protease, His tagged

Catalog #: SUMO-00-001

Lot #: 01MR01

Expression System: E. coli

Description

Purity: > 95% by SDS-PAGE

SUMO (Small Ubiquitin-like MODifiers) protease recognizes the tertiary structure of SUMO and cleaves it from recombinant fusion proteins. Our SUMO protease has a His-tag allowing removal by Ni-NTA agarose.

Concentration: 1 mg/mL

Volume: 20 uL/tube

Sequence Molecular Weight: ~27 kDa



Cleavage Protocol

A protease/fusion protein ratio (w/w) of 1:1000 to 1:200 should provide an effective range for over 99% cleavage of most target proteins. The optimal ratio and cleavage temperature should be determined empirically. A good starting point is a ratio of 1:200 (1 ug SUMO protease for 200 ug of fusion protein) incubated for 4 hours at 4 °C for > 99% cleavage. SUMO protease, as supplied, can be directly added to the fusion protein. Actual cleavage efficiency depends on the spacing between the cut site and the target protein.

Buffer: 50 mM Tris.HCl pH 7.5, 150 mM NaCl, 10% Glycerol, 0.5 mM DTT

Physical Form: Supplied as a solution in buffer above.

Storage: -20°C short term (3 months), -80°C long term (1 year).
Can undergo 2 freeze/thaw cycles without loss of activity.

This product is suitable for laboratory research use only and is not intended for any diagnostic or therapeutic use.