



For research use only

ISO9001

SEN2 SUMO Protease

Product	Quantity	Cat. No.	Remarks
SEN2 SUMO Protease, 6xHis	500 unit	EBF-1032	10 unit/ μ l

Description

SEN2 (Sentrin-specific protease 2) peptidase is one of SUMO-specific protease (SEN2) family in human, and involved in the SUMO conjugation through the processing of SUMO1, SUMO2, and SUMO3 to mature form and deconjugation of SUMOs from targeted proteins. SEN2 has known to down-regulate CTNNB1 levels and thereby modulate the Wnt pathway Like Ulp1, SEN2 hydrolysis the peptide bond in the sequence Gly-Gly-IAla-Thr-Tyr at the C-terminal end of SUMOs. The catalytic domain (363-588 aa) of SEN2 is capable of removal of SUMO tag from recombinant fusion protein.

SEN2 (363-588 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/ μ l. Store at -20°C.

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 μ g 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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