

32-7149: Recombinant Human Sentrin-Specific Protease 7/SEN7 (N-6His)

Gene : SEN7
Gene ID : 57337
Uniprot ID : Q9BQF6

Description

Source: E.coli.
MW :27.3kD.

Recombinant Human Sentrin-Specific Protease 7 is produced by our E.coli expression system and the target gene encoding Met695-Ala864 is expressed with a 6His tag at the N-terminus. Sentrin-Specific Protease 7 (SEN7) acts as a SUMO-2/3-specific protease. SEN7 is likely to regulate the metabolism of poly-SUMO-2/3 rather than SUMO-1 conjugation in vivo. SEN7 has a restricted substrate specificity, and displaying paralogue-specific isopeptidase activity. The C-terminal catalytic domain of SEN7 depolymerized poly-SUMO-2 chains but does not have activity against poly-SUMO-1 chains. SEN7 also had isopeptidase activity against di-SUMO-2- and SUMO-2-modified RanGAP1 (Ran GTPase-activating protein 1) but had limited activity against SUMO-1-modified RanGAP1.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM HEPES, 5% Glycerol, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MKLKSVSQPSNTDAAKPTYTFLQKQSSGCYLSITSNPDEEWREVRHTGLVQKLIVYPPPTKGGLGVTNEDLE
CLEEGEFLNDVIIDFYLYLILEKASDELVERSHIFSSFFYKCLTRKENNLTEDNPNLSMAQRRHKRVRTWTRHINI
FNKDYIFVPVNESSHWYLA

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.