

Recombinant Human SENP7

Cat. No. SENP7-7915H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SentrinSpecific Protease 7/SENP7 is produced by our E. coli expression system. The target protein is expressed with sequence (Asp536Asp735) of Human SENP7.
Species	Human
Source	E.coli
Description	SentrinSpecific Protease 7 (SENP7) acts as a SUMO2/3specific protease. SENP7 is likely to regulate the metabolism of polySUMO2/3 rather than SUMO1 conjugation in vivo. SENP7 has a restricted substrate specificity, and displaying paraloguespecific isopeptidase activity. The Cterminal catalytic domain of SENP7 depolymerized polySUMO2 chains but does not have activity against polySUMO1 chains. SENP7 also had isopeptidase activity against diSUMO2 and SUMO2modified RanGAP1 (Ran GTPaseactivating protein 1) but had limited activity against SUMO1modified RanGAP1.
Form	Supplied as a 0.2 µM filtered solution of 20mM HEPES, 5% Glycerol, pH 7.4
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt.Please minimize freezethaw cycles.

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GENE INFORMATION

Gene Name	SEN7 SUMO1/sentrin specific peptidase 7 [Homo sapiens]
Official Symbol	SEN7
Synonyms	SEN7; SUMO1/sentrin specific peptidase 7; SUMO1/sentrin specific protease 7; sentrin-specific protease 7; SUMO-1-specific protease 2; sentrin/SUMO-specific protease SEN7; KIAA1707; MGC157730;
Gene ID	57337
mRNA Refseq	NM_001077203
Protein Refseq	NP_001070671
MIM	612846
UniProt ID	Q9BQF6
Chromosome Location	3q12
Function	cysteine-type peptidase activity; peptidase activity;

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