Datasheet for ABIN1097580

SENP7 Protein (AA 695-864) (His tag)

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Overview

Quantity:	50 µg
Target:	SENP7
Protein Characteristics:	AA 695-864
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SENP7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sentrin-Specific Protease 7/SENP7 (N-6His)
Sequence:	MKLKSVSQPS NTDAAKPTYT FLQKQSSGCY SLSITSNPDE EWREVRHTGL VQKLIVYPPP PTKGGLGVTN EDLECLEEGE FLNDVIIDFY LKYLILEKAS DELVERSHIF SSFFYKCLTR KENNLTEDNP NLSMAQRRHK RVRTWTRHIN IFNKDYIFVP VNESSHWYLA
Characteristics:	Recombinant Human Sentrin-Specific Protease 7/SENP7 is produced by our E. coli expression system. The target protein is expressed with sequence (Met695-Ala864) of Human SENP7.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SENP7

Target Details

Alternative Name:	Sentrin-Specific Protease 7/SENP7 (SENP7 Products)
Background:	Sentrin-Specific Protease 7 (SENP7) acts as a SUMO-2/3-specific protease. SENP7 is likely to regulate the metabolism of poly-SUMO-2/3 rather than SUMO-1 conjugation in vivo. SENP7 has a restricted substrate specificity, and displaying paralogue-specific isopeptidase activity. The C-terminal catalytic domain of SENP7 depolymerized poly-SUMO-2 chains but does not have activity against poly-SUMO-1 chains. SENP7 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. Alternative Names: Sentrin-Specific Protease 7, SUMO-1-Specific Protease 2, Sentrin/SUMO-Specific Protease SENP7, SENP7, KIAA1707, SSP2, SUSP2
Molecular Weight:	27.3 kDa
UniProt:	Q9BQF6

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 5 % Glycerol, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months