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Datasheet for ABIN1880578

SENP2 Protein (AA 363-589) (His tag,SUMO Tag)

Overview

Quantity:	50 µg
Target:	SENP2
Protein Characteristics:	AA 363-589
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SENP2 protein is labelled with His tag,SUMO Tag.

Product Details

Purpose:	Recombinant Human Sentrin-Specific Protease 2/SENP2 (N-6His, SUMO tag)
Sequence:	DDLLELTEDM EKEISNALGH GPQDEILSSA FKLRLTRGDI QTLKNYHWLN DEVINFYMNL LVERNKKQGY PALHVFSTFF YPKLKSGGYQ AVKRWTKGVN LFEQEILVP IHRKVHWSLV VIDLRKKCLK YLDSMGQKGH RICEILLQYL QDESKTKRNS DLNLLLEWTHH SMKPHEIPQQ LNGSDCGMFT CKYADYISRD KPITFTQHQM PLFRKKMVWE ILHQQLL
Characteristics:	Recombinant Human Sentrin-specific protease 2/SENP2 is produced with our E. coli expression system. The target protein is expressed with sequence (Asp363-Leu589) of Human SENP2 fused with a 6His tag at the N-terminus.
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:	SEN2
Alternative Name:	SEN2 (SEN2 Products)
Sub Type:	Fusionprotein
Background:	<p>SEN2 is an enzyme that belongs to the peptidase C48 family. SEN2 is a protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. SUMO1 is a small ubiquitin-like protein that can be covalently conjugated to other proteins. It has been implicated as a down-regulator of CTNNB1 levels and may therefore be a modulator of the Wnt pathway.</p> <p>Alternative Names: Sentrin-specific protease 2, Axam2, SMT3-specific isopeptidase 2, Sentrin/SUMO-specific protease SENP2, KIAA1331, SENP2.</p>
Molecular Weight:	26.8 kDa
UniProt:	Q9HC62
Pathways:	Chromatin Binding

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 50 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:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months