

Recombinant Human SENP2 protein

Cat. No. SENP2-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SENP2(Asp363-Leu589) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	363-589 a.a.
Description	SENP2 is an enzyme that belongs to the peptidase C48 family. SENP2 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.
Form	Supplied as a 0.2 µm filtered solution of 50mM HEPES,5% Glycerol, pH 7.4.
AA Sequence	DDLLELTEDMEKEISNALGHGPQDEILSSAFKLRI TRGDIQTLKNYHWLNDEVINFYMNLLVERN KKQGYPALHVFSTFFYPKLKSGGYQAVKRWTKGVNLFQEILVPIHRKVHWSLVVIDLRKKCLK YLDSMGQKGHRICEILLQYLQDESKTKRNSDLNLEWTHHSMKPHEIPQQLNGSDCGMFTCKYAD YISRDKPITFTQHQMPLFRKKMVWEILHQQLL
Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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Storage

Store at < -20 centigrade, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

GENE INFORMATION
Gene Name

SENP2 SUMO1/sentrin/SMT3 specific peptidase 2 [Homo sapiens]

Official Symbol

SENP2

Synonyms

SENP2; SUMO1/sentrin/SMT3 specific peptidase 2; SUMO1/sentrin/SMT3 specific protease 2; sentrin-specific protease 2; AXAM2; DKFZp762A2316; KIAA1331; SMT3IP2; SMT3-specific isopeptidase 2; sentrin/SUMO-specific protease SENP2;

Gene ID

59343

mRNA Refseq

NM_021627

Protein Refseq

NP_067640

MIM

608261

UniProt ID

Q9HC62

**Chromosome
Location**

3q28

Pathway

Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;

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Function

SUMO-specific protease activity; cysteine-type peptidase activity; peptidase activity; protein binding; protein domain specific binding;

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