

SEN2 recombinant protein

SEN2, Active

CATALOG # AAA73976	HOST E Coli	APPLICATIONS Western Blot
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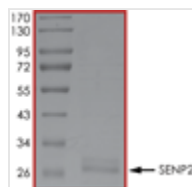
PRODUCT SYNONYMS

SEN2; Active; KIAA1331; SMT3IP2; AXAM2; SEN2 recombinant protein

PRODUCT SPECIFICATIONS

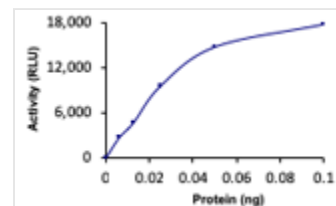
Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for SEN2 recombinant protein	WB (Western Blot), Activity Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for SEN2 recombinant protein	Recombinant SEN2 (360-end) was expressed in E Coli cells using an N-terminal His tag. The SEN2 gene accession number is NM_021627. Sentrin-specific protease 2 (SEN2) is a protease that catalyzes the hydrolysis of an alpha-linked peptide bond of the small ubiquitin-like modifier (SUMO) propeptides leading to the mature form of the proteins and the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted protein. SEN2 plays a role in the formation of adipocytes by desumolyating and promoting CEPBP stabilization (1). SEN2 also binds to Nup153, a nucleoporin that is confined to the nucleoplasmic face of the pore and localization of SEN2 to the pore may spatially restrict the activity of this enzyme (2).
Product Categories/Family for SEN2 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Chung, S.S. et al: Control of adipogenesis by the SUMO-specific protease SENP2. Mol. Cell. Biol. 30:2135-2146, 2010.
2. Hang, J. & Dasso, M: Association of the human SUMO-1 protease SENP2 with the nuclear pore. J. Biol. Chem. 277 (22): 19961-6, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_021627](#)

Molecular Weight

28kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/senp2-recombinant-protein-e-coli-wb-western-blot-activity-assay/73976>