

SENP6 recombinant protein

SENP6, Active

CATALOG #
AAA73977

HOST
E Coli

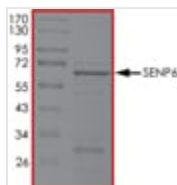
PRODUCT SYNONYMS

SENP6; Active; SUMO-1-specific protease 6; SUSP1; SSP1; KIAA0797; SENP6 recombinant protein

PRODUCT SPECIFICATIONS

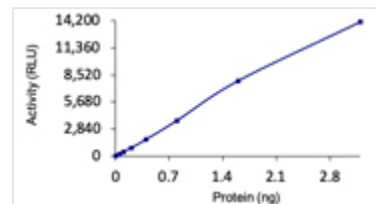
Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and 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 SENP6 recombinant protein

Recombinant human SENP6 (637-1112) was expressed in E Coli cells using an N-terminal His tag. The SENP6 gene accession number is NM_015571.

SENP6 is a mammalian SUMO protease that preferentially disassembles conjugated SUMO2/3 chains. It is found in the nucleoplasm and possess a conserved sequence insertion within the catalytic domain which is absent in the catalytic domains of the other SENP family members (1). SENP6 has been shown to be essential for cell proliferation and cell cycle progression with a prominent role during mitosis (2). SENP6 depleted cells exhibit defects in the spindle assembly and metaphase chromosome congression resulting in mitotic problems and cell death. Thus, SENP6 inhibitors have clinical potential against highly proliferative cancer cells (3).

Product Categories/Family for SENP6 recombinant protein

DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Choi SJ, et al: (2001) Negative modulation of RXRalpha transcriptional activity by small ubiquitin-related modifier (SUMO) modification and its reversal by SUMO-specific protease SUSP1. J. Biol. Chem. 281, 30669-30677.
2. Mukhopadhyay D, et al: (2010) The SUMO protease SENP6 is essential for inner kinetochore assembly. J Cell Biol. 2010;188(5):681?692.
3. Liebelt F, et al: (2019) The poly-SUMO2/3 protease SENP6 enables assembly of the constitutive centromere-associated network by group deSUMOylation. Nat Commun. 10, 3987.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_015571](#)

Molecular Weight

64kDa

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/senp6-recombinant-protein-e-coli/73977>