

**Recombinant Human Sentrin-Specific Protease 7/SEN7 Protein(N-6His)**

**Cat.NO.: TP05522**

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3th Edition

**Synonyms:** Sentrin-Specific Protease 7; SUMO-1-Specific Protease 2; Sentrin/SUMO-Specific Protease SENP7; SENP7; KIAA1707; SSP2; SUSP2

**Description:** Sentrin-Specific Protease 7 (SEN7) acts as a SUMO-2/3-specific protease. SEN7 is likely to regulate the metabolism of poly-SUMO-2/3 rather than SUMO-1 conjugation in vivo. SEN7 has a restricted substrate specificity, and displaying paralogue-specific isopeptidase activity. The C-terminal catalytic domain of SEN7 depolymerized poly-SUMO-2 chains but does not have activity against poly-SUMO-1 chains. SEN7 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.

**Form:** PBS

**Molecular Weight:** 27.3 kDa

**Sequences:** Met695-Ala864

**Purity:** > 95% by HPLC

**Concentration:**

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.