

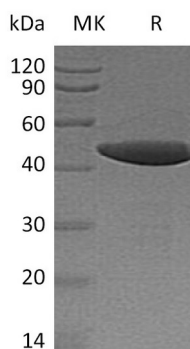
**Product Name: Recombinant Human SENP7**  
**Catalog #: PEH1491**



## Summary

<b>Name</b>	Sentrin-specific protease 7/SSP2/SEN7
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Sentrin-Specific Protease 7 is produced by our E.coli expression system and the target gene encoding Met695-Ala864 is expressed.
<b>Accession #</b>	Q9BQF6
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	19.8 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 5% Glycerol, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Sentrin-Specific Protease 7; SUMO-1-Specific Protease 2; Sentrin/SUMO-Specific Protease SENP7; SENP7; KIAA1707; SSP2; SUSP2
<b>Background</b>	Sentrin-Specific Protease 7 (SEN7) acts as a SUMO-2/3-specific protease. SEN7 is

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likely to regulate the metabolism of poly-SUMO-2/3 rather than SUMO-1 conjugation in vivo. SENP7 has a restricted substrate specificity, and displaying paralogue-specific isopeptidase activity. The C-terminal catalytic domain of SENP7 depolymerized poly-SUMO-2 chains but does not have activity against poly-SUMO-1 chains. SENP7 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.

### **Note**

For Research Use Only , Not for Diagnostic Use.