

Product Name: Recombinant Human SENP7
Catalog #: PEH1491

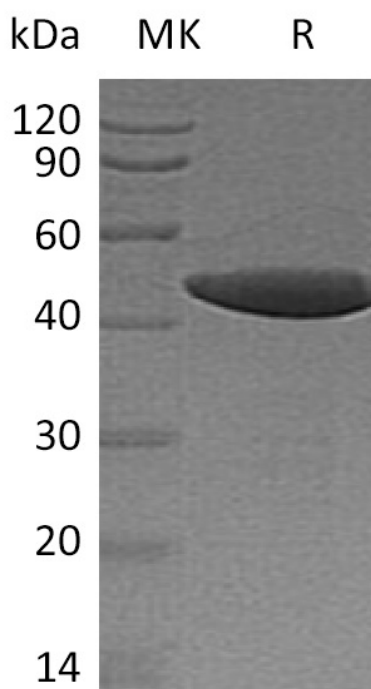


Summary

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

SDS-PAGE image

Product Name: Recombinant Human SENP7
Catalog #: PEH1491



Alternative Names

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

Background

Sentrin-Specific Protease 7 (SENP7) acts as a SUMO-2/3-specific protease. SENP7 is 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.