

USP7 recombinant protein

USP7 (N-term), Active

CATALOG # AAA74097	HOST E Coli	APPLICATIONS Western Blot
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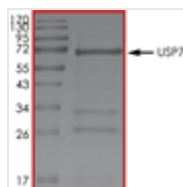
PRODUCT SYNONYMS

USP7; USP7 (N-term); Active; HAUSP; TEF1; USP7 recombinant protein

PRODUCT SPECIFICATIONS

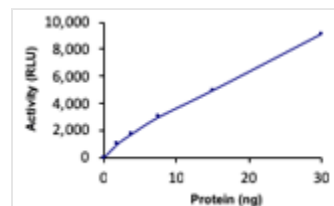
Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for USP7 recombinant protein	WB (Western Blot), Activity Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with 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 USP7 recombinant protein	Recombinant human USP7 (25-580a.a.) was expressed in E Coli cells using an N-terminal His tag. The USP7 gene accession number is NM_003470. USP7 (ubiquitin carboxyl-terminal hydrolase 7) belongs to the peptidase C19 family and deubiquitinates FOXO4, p53, MDM2, and WASH proteins, and regulates their activities through counteracting ubiquitin ligase activity of proteins such as HDM2 and TRIM27. USP7 was found to contribute to the stabilization and trans-activation of herpesvirus 1 transcriptional protein by strongly interacting with ICP0, a regulatory protein that stimulates lytic infection and the reactivation of viral genome (1). High expression of USP7 was correlated with the proliferation, migration and invasion capacities of hepatocellular carcinoma, indicating that the enzyme may play a role in promoting tumour progression (2).
Product Categories/Family for USP7 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Boutell, C. et al: Reciprocal activities between herpes simplex virus type 1 regulatory protein ICP0, a ubiquitin E3 ligase, and ubiquitin-specific protease USP7. Journal of virology 79(19), 12342-54, 2005.
2. Wang, X. et al: Clinical Significance of Ubiquitin Specific Protease 7 (USP7) in Predicting Prognosis of Hepatocellular Carcinoma and its Functional Mechanisms. Medical science monitor:international medical journal of experimental and clinical research 24: 1742-1750, 2018

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_003470](#)

Molecular Weight

68kDa

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://www.aaabiotech.com/usp7-recombinant-protein-e-coli-wb-western-blot-activity-assay/74097>