

Ubiquitin carboxyl-terminal hydrolase 7 (USP7), partial Recombinant Protein | USP7 recombinant protein

Recombinant Human Ubiquitin carboxyl-terminal hydrolase 7 (USP7), partial

CATALOG # AAA116548	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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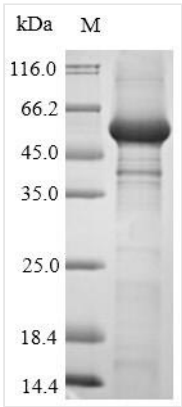
PRODUCT SYNONYMS

Ubiquitin carboxyl-terminal hydrolase 7 (USP7); partial; Recombinant Human Ubiquitin carboxyl-terminal hydrolase 7 (USP7); Ubiquitin carboxyl-terminal hydrolase 7; EC=3.4.19.12; Deubiquitinating enzyme 7; Herpesvirus-associated ubiquitin-specific protease; Ubiquitin thioesterase 7; Ubiquitin-specific-processing protease 7; USP7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	214-521; Partial
Sequence	VGLKNQGATC YMNSLLQTLF FTNQLRKAVY MMPTEGDDSS KSVPLALQRV FYELQHSDKP VGTKKLTCSF GWETLDSFMQ HDVQELCRVL LDNVENKMKG TCVEGTIPKL FRGKMVSIIQ CKEVDYRSDR REDYYDIQLS IKGKKNIFES FVDYVAVEQL DGDNKYDAGE HGLQEAEKGV KFLTLPVLH LQLMRFMYPD QTDQNIKIND RFEFPEQLPL DEFLQKTDPK DPANYILHAV LVHSGDNHGG HYVVYLNPKG DGKWCKFDDD VVSRCTKEEA IEHNYGGHDD DLSVRHCTNA YMLVYIRE
Sequence Length	521
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for USP7 recombinant protein	Hydrolase that deubiquitinates target proteins such as FOXO4, p53/TP53, MDM2, ERCC6, DNMT1, UHRF1, PTEN and DAXX. Together with DAXX, prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards p53/TP53, thereby promoting p53/TP53 ubiquitination and proteasomal degradation. Deubiquitinates p53/TP53, preventing degradation of p53/TP53, and enhances p53/TP53-dependent transcription regulation, cell growth repression and apoptosis. Deubiquitinates p53/TP53 and MDM2 and strongly stabilizes p53/TP53 even in the presence of excess MDM2, and also induces p53/TP53-dependent cell growth repression and apoptosis. Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on p53/TP53 and inhibits FOXO4-induced transcriptional activity. In association with DAXX, is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML. Involved in cell proliferation during early embryonic development. Involved in transcription-coupled nucleotide excision repair (TC-NER) in response to UV damage: recruited to DNA damage sites following interaction with KIAA1530/UVSSA and promotes deubiquitination of ERCC6, preventing UV-induced degradation of ERCC6. Involved in maintenance of DNA methylation via its interaction with UHRF1 and DNMT1: acts by mediating deubiquitination of UHRF1 and DNMT1, preventing their degradation and promoting DNA methylation by DNMT1. Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex; may act by deubiquitinating components of the PRC1-like complex. Able to mediate deubiquitination of histone H2B; it is however unsure whether this activity takes place in vivo. Exhibits a preference towards 'Lys-48'-linked ubiquitin chains. Increases regulatory T-cells (Treg) suppressive capacity by deubiquitinating and stabilizing the transcription factor FOXP3 which is crucial for Treg cell function
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150378533
NCBI GeneID	7874
NCBI Accession #	NP_003461.2
NCBI GenBank Nucleotide #	NM_003470.2
UniProt Accession #	Q93009; A6NMY8; B7Z815; H0Y3G8
Molecular Weight	55.6 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 7 isoform 1
NCBI Official Synonym Full Names	ubiquitin specific peptidase 7 (herpes virus-associated)
NCBI Official Symbol	USP7
NCBI Official Synonym Symbols	TEF1; HAUSP

NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 7; ubiquitin thioesterase 7; deubiquitinating enzyme 7; ubiquitin-specific-processing protease 7; herpesvirus-associated ubiquitin-specific protease; Herpes virus-associated ubiquitin-specific protease; ubiquitin specific protease 7 (herpes virus-associated)
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 7
UniProt Gene Name	USP7
UniProt Synonym Gene Names	HAUSP
UniProt Entry Name	UBP7_HUMAN

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/116548>