

Recombinant Human USP7 Protein, His-tagged

Cat. No. USP7-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP7 Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol.
Molecular Mass	~130 kDa
AA Sequence	MGSSHHHHHHSSG LEVLFQGP G S M N HQQQQQQKAGEQQLSEPEDMEMEA GDTD DPPRITQNPVINGNVALSDGHNTAEEDMED DTSWRSEATFQFTVERFSRLS ESVLSPP CFVRNLPWKIMVMPRFYPDRPHQKSVGFLQCNAESDSTSWSCHAQA VLKIINYRD DEKSFRRISHLFFHKENDWGFSNFMWSEVT DPEKGFIDDDKVTFE VQVQADAPHGVAWDSK KHTGYVGLKNQGATCYMNSLLQTLFFTNQL RKAVYMMP TEGDDSSKSVPLALQRFYELQHS DKPVGTKKLTKSFGWETLDSFMQHDVQEL CR VLLDNVENKMKGTCVEGTIPKLFGRGKM VSYIQCKEVDYRSDRREDYYDIQLSIK GK KNIFESFVDYVAVEQLDGDNKYDAGEHGLQE AEKGVKFLTLPPVLHLQLMRFMYDP

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QTDQNI KINDRFEFPEQLPLDEFQLQKTDPKDPANYIL HAVLVHSGDNHGGHYVVYL
 NPKGDGKW CKFDDDVVSRCTKEEAIEHNYGGHDDLS VRHCTNAYMLVYIRESKL
 SEVLQAVTDHDI PQQLVERLQEEKRIEAQKRKERQEAHLYMQVQ IVAEDQFCGHQ
 GNDMYDEEKVKYTVFKVLKNS SLAEFVQSLSQTMGFPQDQIRLWPMQARSNGT K
 RPAMLDNEADGNKTMIELSDNENPWTIFLET VDPELAASGATLPKFKDHDVMLFL
 KMYDPK TRSLNYCGHIYTPISCKIRDLLPVMCDRAG FIQDTSLLIYEEVKPNLTERIQ
 DYDVSLDKA LDELMDGDIIVFQKDDPENDNSELPTAKEY FRDLYHRVDVIFCDKTIP
 NDPGFVVTLNRM NYFQVAKTVAQRLNTDPMLLQFFKSQGYRDG PGNPLRHNYE
 GTLRDLLQFFKPRQPCKLYY QQLKMKITDFENRRSFKCIWLNSQFREEEIT LYPDKH
 GCVRDLLEECKKAVELGEKASGKL RLEIVSYKIIGVHQEDELLECLSPATSRT FRIE
 EIPLDQVDIDKENEMLVTVAHFHKEV FGTFGIPFLLRHQGEHFREVMKRIQSLL DIQ
 EKEFEKFKFAIVMTGRHQYINDEYEYEVN LKDFEPQPGNMSHPRPWLGLDHFNKAPK
 RSRY TYLEKAIKIHN

Purity >80%

Storage 12 months at -70 centigrade; aliquot as required.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [USP7 ubiquitin specific peptidase 7 \[Homo sapiens \(human\) \]](#)

Official Symbol [USP7](#)

Synonyms TEF1; HAUSP; HAFOUS

Gene ID [7874](#)

mRNA Refseq [NM_001286457](#)

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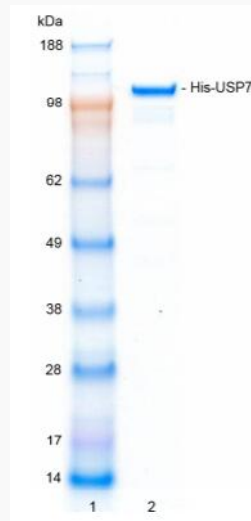
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Protein Refseq NP_001273386

MIM 602519

UniProt ID Q93009

**4-12% gradient SDS-
PAGE InstantBlue™
staining.**



Lane 1: MW markers
Lane 2: 1 g His-USP7

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