

Recombinant Full Length Human USP7 Protein, C-Flag-tagged

Cat. No. USP7-807HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human USP7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	128.1 kDa
AA Sequence	MNHQQQQQQQKAGEQQQLSEPEDMEMEAGDTDDPPRITQNPVINGNVALSDGHNT AEEDMEDDTSWRSEAT FQFTVERFSRLSESVLSPPCFVRNLPWKIMVMPRFYDPDR PHQKSVGFFLQCNAESDSTWSCHAQAVLKI INYRDDEKSFSRRISHLFFHKENDW GFSNFMWSEVTDPEKGFIDDDKVTFEVQADAPHGVAWDSKKH TGYVGLKNQ GATCYMNSLLQTLFFTNQLRKAVYMMPTEGDDSSKSVPLALQRVFYELQHSDKPVG TKKLT KSFGWETLDSFMQHDVQELCRVLLDNVENKMKGTCVEGTIPKLFGRKMVS YIQCKEVDYRSDRREDYYDI QLSIKGKKNIFESFVDYVAVEQLDGDNKYDAGEHGLQ

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EAEKGVKFLTLPPVLHLQLMRMYDPQTDQNIK INDRFEFPEQLPLDEFLQKTDPKD
 PANYILHAVLVHSGDNHGGHYVVYLNPKGDGKWCKFDDDDVVSRTK EEAIEHNYG
 GHDDDL SVRHCTNAYMLVYIRESKLSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRK
 ERQE AHLYMQVQIVAEDQFCGHQGNMYDEEKVKYTVFKVLKNSSLAEFVQSLSQ
 TMGFPQDQIRLWPMQARSN GTKRPAMLDNEADGNKTMIELSDNENPWTIFLETVD
 PELAASGATLPKFDKDHVMLFLKMYDPKTRSLN YCGHIYTPISCKIRDLLPVMCDR
 AGFIQDTSILYEEVKPNLTERIQDYDVSLDKALDELMDGDIIVFQK DDPENDNSEL
 TAKEYFRDLYHRVDVIFCDKTIPNDPGFVVTLSNRMNYFQVAKTVAQRLNTDPMLLQ
 FF KSQGYRDGPGNPLRHNYEGTLRDLLQFFKPRQPKKLYYQQLKMKITDFENRRSF
 KCIWLNSQFREEEITL YPDKHGCVRDLLEECKKAVELGEKASGKLRLLIVSYKIIGV
 HQEDELLECLSPATSRTFRIEEIPLDQV DIDKENEMLVTVAHFHKEVFGTFGIPFLRLI
 HQGEHFREVMKRIQSLLDIQEKEFEKFKFAIVMMGRHQY
 INEDEYEVLKDFEPQPGNMSPRPWLGLDHFNKAPKRSRYTYLEKAIKIHNTTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Full Length	Full L.

GENE INFORMATION

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

Official Symbol [USP7](#)

Synonyms TEF1; HAUSP; HAFOUS

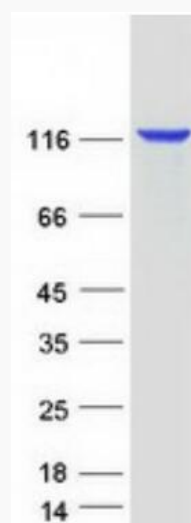
Gene ID [7874](#)

mRNA Refseq [NM_003470.3](#)

Protein Refseq [NP_003461.2](#)

MIM [602519](#)

UniProt ID [Q93009](#)



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Coomassie blue staining of purified USP7 protein.

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