

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human USP7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	128.1 kDa
<b>AA Sequence</b>	MNHQQQQQQKAGEQQLSEPEDMEMEAGDTDDPPRITQNPVINGNVALSDGHNT AEEDMEDDTSWRSEAT FQFTVERFSRLSESVLSPPCFVRNLPWKIMVMMPRFYPDR PHQKSVGFFLQCNAESDSTWSCHAQAVLKI INYRDDEKSFSRRISHLFFHKENDW GFSNFMAWSEVTDPEKGFIDDDKVTFEVFVQADAPHGVAWDSKKH TGYVGLKNQ GATCYMNSLLQTLFFTNQLRKAVYMMPTEGDSSKSVPLALQRVYELQHS DKPVG TKKLT KSGFWETLDSFMQHDVQELCRVLLDNVENKMKGTCVEGTIPKLFGRKMVS YIQCKEVDYRSDRREDYYDI QLSIKGKKNIFESFVDYVAVEQLDGDNKYDAGEHGLQ

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EAEKGVKFLTLPPVLHLQLMRFMYDPQTDQNIK INDRFEPPEQLPLDEFLLQKTDPKD  
PANYILHAVLVHSGDNHGGHYVVYLNPKGDGKWCKFDDDDVVSRTK EEAIEHNYG  
GHDDLSVRHCTNAYMLVYIRESKLSSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRK  
ERQE AHLYMQVQIVAEDQFCGHQGNMYDEEKVKYTVFKVLKNSSLAEFVQSLSQ  
TMGFPQDQIRLWPMQARSN GTKRPAMLDNEADGNKTMIELSDNENPWTIFLETVD  
PELAASGATLPKFDKDHVMLFLKMYDPKTRSLN YCGHIYTPISCKIRDLLPVMCDR  
AGFIQDTSLILYEEVKPNLTERIQDYDVSLDKALDELMDGDIIVFQK DDPENDNSELP  
TAKEYFRDLYHRVDVIFCDKTIPNDPGFVVTLSNRMNYFQVAKTVAQRLNTDPMLLQ  
FF KSQGYRDGPGNPLRHNYEGTLRDLLQFFKPRQPCKLYYQQLKMKITDFENRRSF  
KCIWLNSQFREEEITL YPDKHGCVRDLLLEECKKAVELGEKASGKLRLLLEIVSYKIIGV  
HQEDELLECLSPATSRTFRIEEIPLDQV DIDKENEMLVTVAHFHKEVFGTFGIPFLLR  
HQGEHFREVMKRIQSLLDIQEKEFEKFKFAIVMMGRHQY  
INEDEYEVLKDFEPQPGNMSHPRPWLGLDHFNKAPKRSRYTYLEKAIKIHNTRTRP  
LEQKLISEEDLAANDILDYKDDDDKV

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

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## GENE INFORMATION

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

**Official Symbol** USP7

**Synonyms** TEF1; HAUSP; HAFOUS

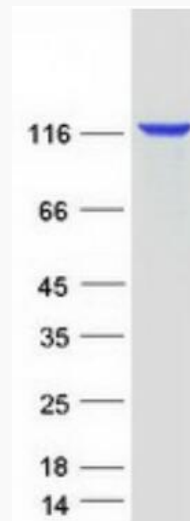
**Gene ID** 7874

**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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