

# Recombinant Human USP7 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** USP7-5967H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | USP7 MS Standard C13 and N15-labeled recombinant protein (NP_003461) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <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>Molecular Mass</b>   | 128.1 kDa  |
| <b>AA Sequence</b>      | MNHQQQQQQKAGEQQLSEPEDMEMEAGDTDDPPRITQNPVINGNVALSDGHNT<br>AEEDMEDDTSWRSEATFQFTVERFSRLSESVLSPPCFVRNLPWKIMVMPRFYDPDRP<br>HQKSVGFFLQCNAESDSTSWSCHAQAVLKIINYRDDEKSFRRISHLFFHKENDWG<br>FSNFMAWSEVTDPEKGFIDDDKVTFEVQADAPHGVAWDSKKHTGYVGLKNQGA<br>TCYMNSLLQTLFFTNQLRKAVYMMPTGDDSSKSVPLALQRVFYELQHSDKPVGTK<br>KLTKSFGWETLDSFMQHDVQELCRVLLDNVENKMKGTCTVEGTIPKLFGRKMVSYIQ<br>CKEVDYRSDRREDDYYDIQLSIKGGKNIFESFVDYVAVEQLDGDNKYDAGEHGLQEAE   |

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KGVKFLTLPPVLHLQLMRFMYDPQTDQNIKINDRFEFPEQLPLDEFLLQKTDPKDPAN  
 YILHAVLVHSGDNHGGHYVVYLNPKGDGKWCKFDDDVVSRCTKEEAIEHNYGGHD  
 DDLSVRHCTNAYMLVYIRESKLSSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRKERQ  
 EAHLYMQVQIVAEDQFCGHQGNMYDEEKVKYTVFKVLKNSSLAEFVQSLSQTMG  
 FPQDQIRLWPMQARSNGTKRPAMLDNEADGNKTMIELSDNENPWTIFLETVDPELA  
 ASGATLPKFDKDHDVMLFLKMYDPKTRSLNYCGHIYTPISCKIRDLLPVMCDRAGFIQ  
 DTSLILYEEVKPNLTERIQDYDVSLDKALDELMDGDIIVFQKDDPENDNSELPTAKEYF  
 RDLYHRVDVIFCDKTIPNDPGFVVTLNRMNYFQVAKTVAQRLNTDPMLLQFFKSQG  
 YRDGPGNPLRHNYEGTLRDLLQFFKPRQPCKLYYQQLKMKITDFENRRSFKCIWLN  
 SQFREEEITLYPDKHGCVRDLLLEECKKAVELGEKASGKLRLLLEIVSYKIIGVHQEDEL  
 ECLSPATSRTFRIEEIPLDQVDIDKENEMLVTVAHFHKEVFGTGFIPFLRIHQGEHFR  
 EVMKRIQSLLDIQEKEFEKFKFAIVMMGRHQYINEDEYEVNLKDFEPQPGNMShPRP  
 WLGLDHFNKAPKRSRYTYLEKAIKIHNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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

**Official Symbol** USP7

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**Synonyms**

USP7; ubiquitin specific peptidase 7 (herpes virus-associated); HAUSP, ubiquitin specific protease 7 (herpes virus associated); 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); TEF1; HAUSP;

**Gene ID**

7874

**mRNA Refseq**

NM\_003470

**Protein Refseq**

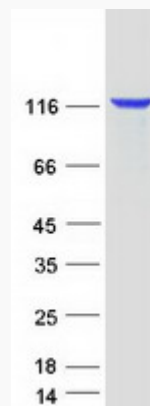
NP\_003461

**MIM**

602519

**UniProt ID**

Q93009

**SDS-PAGE**


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