

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

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

SPECIFICATION

Product Overview	USP7 MS Standard C13 and N15-labeled recombinant protein (NP_003461) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	128.1 kDa
AA Sequence	MNHQQQQQQKAGEQQQLSEPEDMEMEAGDTDDPPRITQNPVINGNVALSDGHNT AEEDMEDDTSWRSEATFQFTVERFSRLSESVLSPPCFVRNLPWKIMVMPRFYDPDRP HQKSVGFFLQCNAESDSTSWSCHAQAVLKIINYRDDEKSFRRISHLFFHKENDWG FSNFMAWSEVTDPEKGFIDDDKVTFEVFVQADAPHGVAWDSKKHTGYVGLKNQGA TCYMNSLLQTLFFTNQLRKAVYMMPTEGDSSKSVPLALQRVFYELQHSDKPVGTK KLTKSFGWETLDSFMQHDVQELCRVLLDNVENKMKGTCVEGTIPKLFGRGKMVSYIQ CKEVDYRSDRREDYYDIQLSIKGKKNIFESFVDYVAVEQLDGDNKYDAGEHGLQEAE

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KGVKFLTLPVLHLQLMRMYDPQTDQNIKINDRFEFPEQLPLDEFLQKTDPKDPAN
 YILHAVLVHSGDNHGGHYVVYLNPKGDGKWCKFDDDVVSRCTKEEAIEHNYGGHD
 DDLSVRHCTNAYMLVYIRESKLSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRKERQ
 EAHLYMQVQIVAEDQFCGHQGNMYDEEKVKYTVFKVLKNSSLAEFVQSLSQTMG
 FPQDQIRLWPMQARSNGTKRPAMLDNEADGNKTMIELSDNENPWTIFLETVDPELA
 ASGATLPKFDKDHDVMLFLKMYDPKTRSLNYCGHIYTPISCKIRDLLPVMCDRAGFIQ
 DTSILYEEVKPNLTERIQDYDVSLDKALDELMDGDIIVFQKDDPENDNSELPTAKEYF
 RDLYHRVDVIFCDKTIPNDPGFVVTLNRMNYFQVAKTVAQRLNTDPMLLQFFKSQG
 YRDGPGNPLRHNYEGTLRDLLQFFKPRQPCKLYYQQLKMKITDFENRRSFKCIWLN
 SQFREEEITLYPDKHGCVRDLLEECKKAVELGEKASGKRLLEIVSYKIIGVHQEDEL
 ECLSPATSRTFRIEEIPLDQVDIDKENEMLVTVAHFHKEVFGTFGIPFLLRIHQGEHFR
 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

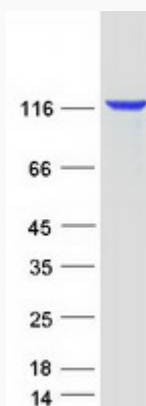
NP_003461

MIM

602519

UniProt ID

Q93009

SDS-PAGE


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