

Recombinant Human USP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USP4-1915H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USP4 MS Standard C13 and N15-labeled recombinant protein (NP_003354) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a protease that deubiquitinates target proteins such as ADORA2A and TRIM21. The encoded protein shuttles between the nucleus and cytoplasm and is involved in maintaining operational fidelity in the endoplasmic reticulum. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	108.4 kDa
AA Sequence	MAEGGGCRERPDAETQKSELGPLMRTTLQRGAQWYLIDSRWFKQWKKYVGFDSW DMYNVGEHNLFPGPIDNSGLFSDPESQTLKEHLIDELDYVLVPTTEAWNKLLNWyGC VEGQQPIVRKVVEHGLFVKHCKVEVYLLLEKLCENS DPTNVLSCHFSKADTIATIEKE MRKLFNIPAERETRLWNKYMSNTYEQLSKLDNTVQDAGLYQGQVLVIEPQNEDGTW PRQTLQSKSSTAPSRNFTTSPKSSASPYSSVSASLIANGDSTSTCGMHSSGVSRRG SGFSASYNQCPEPPSSHIQPGLCGLGNLGNTECFMNSALQCLSNTAPLTDYFLKDEYE AEINRDNPLGMKGEIAEAYAEELIKQMWSGRDAHVAPRMFKTQVGRFAPQFSGYQQ QDSQELLAFLLDGLHEDLNRVKKKPYLELKDANGRPDAVVAKEAWENHRLRNDVI

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VDTFHGLFKSTLVCPECAKVSVTFDPFCYLTLPPLKKDRVMEVFLVPADPHCRPTQ
YRVTVPLMGAVSDLCEALSRLSGIAAENMVVADVYNHRFHKIFQMDEGLNHIMPRD
DIFVYEVCSTSVDGSECVTLVPVYFRERKSRPSSTSSASALYGQPLLSVPKHKLTL
LYQAVCDRISRYVKQPLPDEFGSSPLEPGACNGSRNSCEGEDEEEMEHEQEEGKEQ
LSETEGSGEDEPGNDPSETTQKKIKGQPCPKRLFTFSLVNSYGTADINSLAADGKLL
KLNSRSTLAMDWDSERRLYYDEQESEAYEKHVSMLQPQKKKTTVALRDCIELFT
TMETLGEHDPWYCPNCKKHQQATKKFDLWSLPKILVVHLKRFSYNRYWRDKLDTV
VEFPIRGLNMSEFVCNLSARPYVYDLIAVSNNHYGAMGVGHYTAYAKNKLNGKWYF
DDSNVSLASEDQIVTKAAYVLFYQRRDDEFYKTPSLSSSGSSDGGTRPSSSQQGFG
DDEACSMDTNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 USP4 ubiquitin specific peptidase 4 [Homo sapiens (human)]

Official Symbol USP4

Synonyms USP4; ubiquitin specific peptidase 4 (proto-oncogene); ubiquitin specific protease 4 (proto oncogene), UNP; ubiquitin carboxyl-terminal hydrolase 4; Unph; ubiquitin thioesterase 4; deubiquitinating enzyme 4; ubiquitin thiolesterase 4; ubiquitous

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nuclear protein homolog; ubiquitin carboxyl-terminal esterase 4; ubiquitin-specific processing protease 4; ubiquitin specific protease 4 (proto-oncogene); UNP; MGC149848; MGC149849;

Gene ID [7375](#)

mRNA Refseq [NM_003363](#)

Protein Refseq [NP_003354](#)

MIM [603486](#)

UniProt ID [Q13107](#)

SDS-PAGE

