

Recombinant Human USP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USP3-2633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USP3 MS Standard C13 and N15-labeled recombinant protein (NP_006528) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Hydrolase that deubiquitinates monoubiquitinated target proteins such as histone H2A and H2B. Required for proper progression through S phase and subsequent mitotic entry. May regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. Associates with the chromatin.
Molecular Mass	59.3 kDa
AA Sequence	MECPHLSSSVCIAPDSAKFPNGSPSSWCCSVCRSNKSPWVCLTCSSVHCGRYVNG HAKKHVEDAQVPLTNHKKSEKQDKVQHTVCMDCSSYSTCYRCDDFVNDTKLGL VQKVREHLQNLNSAFTADRHKKRKLLNSTLNSKLLKVNSTTAICATGLRNLGNT CFMNAILQSLSNIEQFCCYFKELPAVELRNGKTAGRRTYHTRSQGDNNVSLVEEFRK TLCALWQGSQTAFSPESLFYVWVKIMPNFRGYQQQDAHEFMRYLLDHLHLELQGG FNGVSRSAILQENSTLSASNKCCINGASTVVTAIFGGILQNEVNCLICGTESRKFDPFLL DLSLDIPSQFRSKRSKNQENGPVCSLRDCLRSFTDLEELDETELYMCHKCKKKQKS TKKFWIQKLPKVLCLHLKRFHWTAYLRNKVDITYVEFPLRGLDMKCYLLEPENSGPES CLYDLAAVVVHHGSGVGSGHYTAYATHEGRWFHFNDSTVTLTDEETVVKAKAYILF

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YVEHQAKAGSDKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	USP3 ubiquitin specific peptidase 3 [Homo sapiens (human)]
Official Symbol	USP3
Synonyms	USP3; ubiquitin specific peptidase 3; ubiquitin specific protease 3; ubiquitin carboxyl-terminal hydrolase 3; ubiquitin thioesterase 3; deubiquitinating enzyme 3; ubiquitin thiolesterase 3; ubiquitin-specific-processing protease 3; UBP; SIH003; MGC129878; MGC129879;
Gene ID	9960
mRNA Refseq	NM_006537
Protein Refseq	NP_006528
MIM	604728

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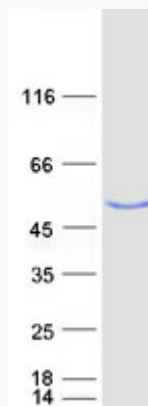
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UniProt ID

Q9Y6I4

SDS-PAGE

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