

Recombinant Human USP1, MYC/DDK-tagged

Cat. No. USP1-955H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP1 fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized.
Molecular Mass	88 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage	Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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OfficialSymbol USP1

GENE INFORMATION

Gene Name USP1 ubiquitin specific peptidase 1 [Homo sapiens]

Synonyms USP1; ubiquitin specific peptidase 1; ubiquitin specific protease 1; ubiquitin carboxyl-terminal hydrolase 1; Deubiquitinating enzyme 1; hUBP; Ubiquitin carboxyl terminal hydrolase 1; Ubiquitin carboxyl-terminal hydrolase 1; Ubiquitin specific peptidase 1; Ubiquitin thiolesterase 1; Ubiquitin-specific-processing protease 1; UBP; UBP1_HUMAN; USP 1; Usp1; hUBP; ubiquitin thioesterase 1; deubiquitinating enzyme 1; ubiquitin thiolesterase 1; ubiquitin carboxyl terminal hydrolase 1; ubiquitin specific processing protease 1; ubiquitin-specific-processing protease 1; UBP

Gene ID 7398

mRNA Refseq NM_001017415

Protein Refseq NP_001017415

MIM 603478

UniProt ID O94782

Chromosome Location 1p31.3

Pathway DNA Repair; Fanconi Anemia pathway; Fanconi anemia pathway; Fanconi anemia pathway; Regulation of the Fanconi anemia pathway

Function cysteine-type endopeptidase activity; peptidase activity; protein binding; ubiquitin

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thiolesterase activity; ubiquitin-specific protease activity

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