Active Recombinant Human USP1 Protein, His-tagged

Cat. No. USP1-1066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP1 (Accession # O94782), fused with a C-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	1 - 785 aa
Form	X mg/ml (X μM) in 50 mM HEPES, pH 7.5, 100 mM NaCl, 10% glycerol, 1 mM TCEP
Bio-activity	Recombinant Human USP1 is a Ubiquitin-specific deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human USP1 concentration of 0.01-0.5 μM.
Molecular Mass	Recombinant Human USP1, His-tagged has a calculated MW of 89 kDa.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS containing at least 0.1% human or bovine

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	serum albumin. Alternatively, reconstitute at 500 µg/mL in sterile 4 mM HCl containing 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	USP1 ubiquitin specific peptidase 1 [Homo sapiens]
Official Symbol	USP1
Synonyms	USP1; ubiquitin specific peptidase 1; ubiquitin specific protease 1; ubiquitin carboxyl-terminal hydrolase 1; 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

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