

Recombinant Human USP1 293 Cell Lysate

Cat. No. USP1-475HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin specific peptidase 1 (USP1), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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 thioesterase 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, organism-specific biosystem; Fanconi Anemia pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Regulation of the Fanconi anemia pathway, organism-specific biosystem;

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