

Human USP7 Knockdown Cell Lysate

Cat. No. USP7-315HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview	WB-validated USP7 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder.
Form	Cell-Tissue Lysis buffer
Molecular Mass	128 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade.
Concentration	Lot-specific

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg USP7 KD HeLa cell lysate
Protein Families	Druggable Genome, Protease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	USP7 ubiquitin specific peptidase 7 (herpes virus-associated) [Homo sapiens (human)]
Official Symbol	USP7
Synonyms	USP7; ubiquitin specific peptidase 7 (herpes virus-associated); HAUSP, ubiquitin specific protease 7 (herpes virus associated); ubiquitin carboxyl-terminal hydrolase 7; ubiquitin thioesterase 7; deubiquitinating enzyme 7; ubiquitin-specific-processing protease 7; herpesvirus-associated ubiquitin-specific protease; Herpes virus-associated ubiquitin-specific protease; ubiquitin specific protease 7 (herpes virus-associated); TEF1; HAUSP;
Gene ID	7874
mRNA Refseq	NM_003470
Protein Refseq	NP_003461
MIM	602519
UniProt ID	Q93009

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