

## Active Recombinant Human USP28 protein, His-tagged

Cat. No. USP28-23H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human USP28(Asp155-Ile707) fused with His tag at C-terminal was expressed in Insect cells.

**Species** Human

**Source** Insect Cells

**ProteinLength** 155-707 a.a.

**Description** USP28 is a deubiquitinating enzyme of the C19 peptidase family that regulates MYC stability and DNA damage response checkpoints. USP28 regulates DNA repair by deubiquitinating and thereby stabilizing CLSPN - a protein that is ubiquitinated by the APC/C E3 Ubiquitin ligase in a cell-cycle dependent manner. USP28 interacts with isoform 1 of FBXW7 in the nucleoplasm, and regulates MYC degradation by counteracting its ubiquitination. Recently, a potential role in HIF-1 alpha -dependent processes such as angiogenesis and metastasis has been described for this deubiquitinase. USP28 has been demonstrated to cleave K6, K11, K48, and K63-linked poly-Ubiquitin chains. This recombinant protein contains a C-terminal 6-His tag.

**Form** X mg/ml (X µM) in 50 mM Hepes pH 7.5, 100 mM NaCl, 1 mM TCEP

**Bio-activity** Recombinant Human USP28 is a Ubiquitin-specific deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human USP28 concentration of 10-500 nM.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Molecular Mass</b>	123 kDa
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	USP28 ubiquitin specific peptidase 28 [ Homo sapiens ]
<b>Official Symbol</b>	USP28
<b>Synonyms</b>	USP28; ubiquitin specific peptidase 28; ubiquitin specific protease 28; ubiquitin carboxyl-terminal hydrolase 28; KIAA1515; ubiquitin thioesterase 28; deubiquitinating enzyme 28; ubiquitin thiolesterase 28; ubiquitin-specific-processing protease 28;
<b>Gene ID</b>	57646
<b>mRNA Refseq</b>	NM_020886
<b>Protein Refseq</b>	NP_065937
<b>MIM</b>	610748
<b>UniProt ID</b>	Q96RU2
<b>Chromosome Location</b>	11q23
<b>Function</b>	cysteine-type peptidase activity; peptidase activity; protein binding; ubiquitin thiolesterase activity; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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