

Product datasheet

Recombinant Human USP28 protein ab163618

1 Image

Description

<b>Product name</b>	Recombinant Human USP28 protein
<b>Expression system</b>	Wheat germ
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MTAELQQDDAAGAADGHGSSCQMLLNQLREITGIQDPSF  LHEALKASNGD  ITQAVSLLTDERVKEPSQDTVATEPSEVEGSAANKEVLAK  VIDLTHDNKD  DLQAAIALSLLESPKIQADGRDLNRMHEATSAETKRKRK  RCEVWGENPN  PNDWRRVDGWPVGLKNVGNTCWFSAVIQSLFQLPEFRR  LVLSYSLPQNVL  ENCRSHTEKRNIMFMQELQYLFALMMGNSNRKFVDP  SAAL  DLLKGAFRSSE  EQQQDVSEFTHKLLDWLEDAFQLAVNVNSPRNKSENPM  VQLFYGTFLTEG  VREGKPFCCNETFGQYPLQVNGYRNLDCELEGAMVEGD  VELLPDHSVYK  GQERWFTKLPPVLTFLSRFEFNQSLGQPEKIHNKLEFPQ  IYMDRYMYR  SKELIRNKRECIRKLKEEIKILQQKLERVYKYGSGPARFPLP  DMLKYVIE  FASTKPASESCPPESDTHMTLPLSSVHCSVSDQTSKEST  STESSSQDVES  TFSSPEDSLPKSKPLTSSRSSMEMPSQPAPRTVTDEEINF  VKTCLQRWRS  EIEQDIQDLKTCIASTTQTIEQMYCDPLLRQVE</p>
<b>Amino acids</b>	1 to 583
<b>Tags</b>	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab163618** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	

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## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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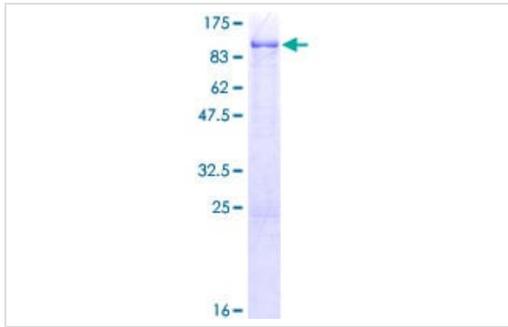
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## General Info

<b>Function</b>	Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in DNA damage induced apoptosis by specifically deubiquitinating proteins of the DNA damage pathway such as CLSPN. Also involved in G2 DNA damage checkpoint, by deubiquitinating CLSPN, and preventing its degradation by the anaphase promoting complex/cyclosome (APC/C). In contrast, it does not deubiquitinate PLK1. Specifically deubiquitinates MYC in the nucleoplasm, leading to prevent MYC degradation by the proteasome: acts by specifically interacting with isoform 1 of FBXW7 (FBW7alpha) in the nucleoplasm and counteracting ubiquitination of MYC by the SCF(FBW7) complex. In contrast, it does not interact with isoform 4 of FBXW7 (FBW7gamma) in the nucleolus, allowing MYC degradation and explaining the selective MYC degradation in the nucleolus.
<b>Sequence similarities</b>	Belongs to the peptidase C19 family. USP28 subfamily. Contains 1 UIM (ubiquitin-interacting motif) repeat.
<b>Post-translational modifications</b>	Degradaded upon nickel ion level or hypoxia exposure. Phosphorylated upon DNA damage at Ser-67 and Ser-714, by ATM or ATR.
<b>Cellular localization</b>	Nucleus > nucleoplasm.

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## Images



ab163618 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human USP28 protein  
(ab163618)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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