Datasheet for ABIN7555949

USP28 Protein (AA 1-1077) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	USP28
Protein Characteristics:	AA 1-1077
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP28 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat USP28 Protein expressed in mammalien cells.
Sequence:	MTAELQQDDA AGAADGHGSS CQMLLNQLRE ITGIQDPSFL HEALKASNGD ITQAVSLLTD ERVKEPSQDT VATEPSEVEG SAANKEVLAK VIDLTHDNKD DLQAAIALSL LESPKIQADG RDLNRMHEAT SAETKRSKRK RCEVWGENPN PNDWRRVDGW PVGLKNVGNT CWFSAVIQSL FQLPEFRRLV LSYSLPQNVL ENCRSHTEKR NIMFMQELQY LFALMMGSNR KFVDPSAALD LLKGAFRSSE EQQQDVSEFT HKLLDWLEDA FQLAVNVNSP RNKSENPMVQ LFYGTFLTEG VREGKPFCNN ETFGQYPLQV NGYRNLDECL EGAMVEGDVE LLPSDHSVKY GQERWFTKLP PVLTFELSRF EFNQSLGQPE KIHNKLEFPQ IIYMDRYMYR SKELIRNKRE CIRKLKEEIK ILQQKLERYV KYGSGPARFP LPDMLKYVIE FASTKPASES CPPESDTHMT LPLSSVHCSV SDQTSKESTS TESSSQDVES TFSSPEDSLP KSKPLTSSRS SMEMPSQPAP RTVTDEEINF VKTCLQRWRS EIEQDIQDLK TCIASTTQTI EQMYCDPLLR QVPYRLHAVL VHEGQANAGH YWAYIYNQPR QSWLKYNDIS VTESSWEEVE RDSYGGLRNV SAYCLMYIND KLPYFNAEAA

Product Details

	PTESDQMSEV EALSVELKHY IQEDNWRFEQ EVEEWEEEQS CKIPQMESST NSSSQDYSTS QEPSVASSHG VRCLSSEHAV IVKEQTAQAI ANTARAYEKS GVEAALSEVM LSPAMQGVIL AIAKARQTFD RDGSEAGLIK AFHEEYSRLY QLAKETPTSH SDPRLQHVLV YFFQNEAPKR VVERTLLEQF ADKNLSYDER SISIMKVAQA KLKEIGPDDM NMEEYKKWHE DYSLFRKVSV YLLTGLELYQ KGKYQEALSY LVYAYQSNAA LLMKGPRRGV KESVIALYRR KCLLELNAKA ASLFETNDDH SVTEGINVMN ELIIPCIHLI INNDISKDDL DAIEVMRNHW CSYLGQDIAE NLQLCLGEFL PRLLDPSAEI IVLKEPPTIR PNSPYDLCSR FAAVMESIQG VSTVTVK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	USP28
Alternative Name:	USP28 (USP28 Products)
Background:	Ubiquitin carboxyl-terminal hydrolase 28 (EC 3.4.19.12) (Deubiquitinating enzyme 28) (Ubiquitin thioesterase 28) (Ubiquitin-specific-processing protease 28),FUNCTION: Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in

Target Details

	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. Deubiquitinates ZNF304, hence preventing ZNF304 degradation by the proteasome and leading to the activated KRAS-mediated promoter hypermethylation and transcriptional silencing of tumor suppressor genes (TSGs) in a subset of colorectal cancers (CRC) cells (PubMed:24623306). {ECO:0000269|PubMed:16901786, ECO:0000269|PubMed:17558397, ECO:0000269|PubMed:17873522, ECO:0000269|PubMed:18662541, ECO:0000269|PubMed:24623306}.
Molecular Weight:	122.5 kDa
UniProt:	Q96RU2

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months