

Product datasheet for TP511535

Usp28 (NM_175482) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin specific peptidase 28 (Usp28), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211535 representing NM_175482 Red=Cloning site Green=Tags(s)

MTAELQDDSAAGADGHGSSCQMLLNQLREITGIQDPSFLHEALKASNGDITQAVSLDQDRVKEPSHDT
TAAEPSEVEESATSKDLLAKVIDLTHDNKDDLQAAIALSLESPNIQADNRDLNRAHEANSAETKRSKRK
RCEVWGENHNPNWRRVDGWPVGLKNVGNCTCWFSAVIQSLFQLPEFRRLLVSYNLPQNILENCRSHTK
NIMFMQELQYLFALLLSNRKLFVDPASAALDLLKGAFRSSEEQQQDVSEFTHKLLDWLEDAFQLAVNVNSH
LRNKSENPVQLFYGTFLTEGVREGKPCNNETFGQYPLQVNGYHNLDECLEGAMVEGDIALLPDRSVK
YGQERWFTKLPPVLTFFELSRFEFNQSLGQPEKIHNLKLEFPQIIMDRYMYKSKELIRSKRESVRKLKEE
QVLQQLERYVVKYSGSPRFLPDMLKYVIEFASTKPAESCLSGSAEHVTLPLPSVHCPISDLTPKESS
SPESCSQNAAGSTFSSPEDALPSSEGMNGPFTSPHSSLETPAPPAPRTVTDEEMNFVKTCQLQRWRSEIEQD
IQDLKNCISSSTKAIEQMYCDPLLRQVPYRLHAVLVHEGQASAGHYWAYIYNQPRQTLKYNDISVTESS
WEELERDSYGGLRNVSAAYCLMYINDNLPHFSAEASSNESDETAGVEALSVELRQYIQEDNWRVQVEVEE
WEEEQSKIPQMESSPNSSSQDFSTSQESPAVSSHEVRCLSEHAVIAKEQTAQAIANTAHAYEKSGVEA
ALSEAFHEEYSRLYLAKETPTSHSDPRLQHVLVYFFQNEAPKRVERTLLEQFADRNLSDERSISIMK
VAQAKLMEIGPDDMNMEEYKRWHEDYSLFRKVSVYLLTGLELFQKGYQEALSYLVYAYQSNAGLLVKGP
RRGVKESVIALYRRKCLLELNAKAASLFETNDHDSVTEGINVMNELIIPCIIHINNDISKDDLDAIEVM
RNHWCSYLGKDIAENLQLCLGFLPRLDPSAEIIVLKEPPTIRPNSPYDLCNRFAAVMESIQGVSTVTV
K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	119.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_780691
Locus ID:	235323
UniProt ID:	Q5I043
RefSeq Size:	4220
Cytogenetics:	9 A5.3
RefSeq ORF:	3153
Synonyms:	9830148O20Rik; AU022237; mKIAA1515
Summary:	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 FBXW7 (FBW7alpha) in the nucleoplasm and counteracting ubiquitination of MYC by the SCF(FBXW7) complex. 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.[UniProtKB/Swiss-Prot Function]