

Product datasheet for **TP510833**

Usp16 (NM_024258) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse ubiquitin specific peptidase 16 (Usp16), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR210833 protein sequence Red =Cloning site Green =Tags(s) |

MGKKRTKGRSAPDTVASESAEPVCRHLRKGLEQGNLKKALVNVEWNICQDCKTDNKVKDKPEEEAEDPSV
WLCLKCGHQGGRDSQEQHALKHYYTPRSEPHYLVLSDNWSVWCYKCDDEVKYCSSLNLGQVVDYVRKQ
AGVRTSKPAEKNNGHIELENKKLEKESKNEQEKEKSEN LAKETIPMDSASQITVKGLSNLGNTCCFFNAVM
QNLSQTPVLRRELLKEVKMSGTIVKIEPPDLALTEPLEVNLEPPGPLTLAMSQFLSEMQENKKRVVTPKEL
FSQVCKKATRFKGYQQDSQELLRYLLDGMRAEEHQRVSKGILKAFGNSTEKLDDEEVKNKVKDYEKKKAI
PSFVDRIFGGELTSTIMCDECRTVSLVHESFLDLSLPVLDQSGKKSINDKNVKMTMEEEDKDSEEEKDD
SYMKSRSDLPSTGSKHLQKAKKQAKKQAKNQRQKQIKERFLHFNELCATDYTEDNEREADTALAGEVE
VDTDSTHGSQEEATQIELSVNQKDLDGQESMIERTPDVQESPEDLGVKSANTESDLGIVTPAPECPDRFN
GAFLEERTSGELDIINGLKNLNLNAAVDPDEINIEIPNDSSHAPKVYEVMMNEDPETAFACTLANREAFSTD
ECSIQHCLYQFTRNEKLQDANKLLCEVCSRRQCNGPKANIKGDRRHVYTNNAKKQMLVSLAPPVLTLLHLKR
FQQAGFNLRKVNKHIFPEILDAPFCTLKCKNVAEESTRVLYSLYGVVEHSGTMRSGHYTAYAKERTAS
CHLSNLVHLHGDIPQDCEMESTKGQWFHISDTHVQAVPITKVLNSQAYLLFYERIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-MYC/DDK |
| Predicted MW: | 93.4 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 |
| 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. |



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| 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_077220 |
| Locus ID: | 74112 |
| UniProt ID: | Q99LG0 |
| RefSeq Size: | 2926 |
| Cytogenetics: | 16 C3.3 |
| RefSeq ORF: | 2478 |
| Synonyms: | 1200004E02Rik; 2810483I07Rik; 6330514E22Rik; UBPM |
| Summary: | Specifically deubiquitinates 'Lys-120' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-11' of histone H3 (H3S10ph), and is required for chromosome segregation when cells enter into mitosis. In resting B- and T-lymphocytes, phosphorylation by AURKB leads to enhance its activity, thereby maintaining transcription in resting lymphocytes (PubMed:24034696). Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B.[UniProtKB/Swiss-Prot Function] |