

Product datasheet for TP511601

Usp8 (NM_019729) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse ubiquitin specific peptidase 8 (Usp8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR211601 protein sequence Red =Cloning site Green =Tags(s) |

MPAVASVPKELYLSSSLKDLNKKTEVKPEKTSTKNIYHSAQKIFKTAEECRLDRDEERAYVLYMKYVAVY
NLIKRPDFKQQDYLSILGPANIKKAIEEAERLSESLKLYEEAEVRKQLEEKDRREEEQQQKRQE
MGREDSGAAAKRSVENLLDSKTKTQRINGEKSEGA AAAERGAITAKELYTMMMDKNTSLIIMDARKIQDY
QHSCILDLSVP EEAISPGVTASWIEANLSDSKDTWKKRGSVDYVLLDWFSSAKDLLLGTTLRSLKDA
LFKWESKTVLRHEPLVLEGGYENWLLCYPQFTTNAKVTPPRSRAEEVSVSLDFTYPSLEEPVPSKLPTQ
MPPPPIETNEKALLVTDQDEKLRLSTQPALAGPGAAPRAEASPIIQPAPATKSVQVDRTKKPSVKLPED
HRIKSENTDQSGRVLSDRSTKPVFPSPPTMLTDEEKARIHQETALLMEKNKQEKELWDKQQKEQKEKLR
EEQERKAGKTQDADERDSTENQHKAQKDGQEKKDSKQTKTEDRELSADGAQEATGTQRQSKSEHEASDAKV
PVEGKRCPTSEAQKRPADVSPASVSGELNAGKAQREPLTRARSEEMGRIVPGLPLGWAKFLDPITGTFRY
YHSPTNTVHMYPPEMAPSSAPPSTPPTHKVKPQVPAERDREPSKLRSYSSPDITQALQEEERKRPVAVTP
MVNRENKPPCYPKAEISRLSASQIRNLNPVFGGSGPALTGLRNLGNTCYMNSILQCLCNAPHLADYFNRN
CYQDDINRSNLLGHKGEVAEEFGIIMKALWTGQYRYISPKDFKVTIGKINDQFAGSSQQDSQELLLFLMD
GLHEDLNKADNRKRHKEENNEHLDDLQAAEHAWQKHKQLNESIIVALFQGQFKSTVQCLTCRRRSRTFEA
FMYLSLPLASTSKCTLQDCLRLFSKEEKLTDNRFYCSHCRRRDSLKKEIWKLPVLLVHLKRFYSYDG
RWKQKLQTSVDFPLENLDLSQYVIGPKNSLKKYNLFSVSNHYGGLDGGHYTAYCKNAARQRWFKFDDHEV
SDISVSSVRSSAAYILFYTSLGPRITDVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|---|
| Tag: | C-MYC/DDK |
| Predicted MW: | 122.6 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_062703 |
| Locus ID: | 84092 |
| UniProt ID: | Q80U87 |
| RefSeq Size: | 4177 |
| Cytogenetics: | 2 F1 |
| RefSeq ORF: | 3243 |
| Synonyms: | AI574262; AW557536; mKIAA0055; Ubpy |
| Summary: | <p>Hydrolase that can remove conjugated ubiquitin from proteins and therefore plays an important regulatory role at the level of protein turnover by preventing degradation. Converts both 'Lys-48' and 'Lys-63'-linked ubiquitin chains. Catalytic activity is enhanced in the M phase. Involved in cell proliferation. Required to enter into S phase in response to serum stimulation. May regulate T-cell energy mediated by RNF128 via the formation of a complex containing RNF128 and OTUB1. Probably regulates the stability of STAM2 and RASGRF1. Regulates endosomal ubiquitin dynamics, cargo sorting, membrane traffic at early endosomes, and maintenance of ESCRT-0 stability. The level of protein ubiquitination on endosomes is essential for maintaining the morphology of the organelle. Deubiquitinates EPS15 and controls tyrosine kinase stability. Removes conjugated ubiquitin from EGFR thus regulating EGFR degradation and downstream MAPK signaling. Involved in acrosome biogenesis through interaction with the spermatid ESCRT-0 complex and microtubules. Deubiquitinates BIRC6/bruce and KIF23/MKLP1 (By similarity). Deubiquitinates BACE1 which inhibits BACE1 lysosomal degradation and modulates BACE-mediated APP cleavage and amyloid-beta formation (By similarity). [UniProtKB/Swiss-Prot Function]</p> |