

Product datasheet for **TP526490**

Usp14 (NM_021522) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin specific peptidase 14 (Usp14), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226490 representing NM_021522 Red =Cloning site Green =Tags(s)
	<p>MPLYSVTVKWGKEKFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLTKDDDDWGNIMKMGMTVL MMGSADALPEEPSAKTVFVEDMTEEQLATAMELPCGLTNLGNTCYMNATVQCIRSVPELKDALKRYAGAL RASGEMASAQYITAALRDLFDSMDKTSSSIPPIILLQFLHMAFPQFAEKGEQQYLLQDANECWIQMMRV LQQKLEAIEDDSGRETSSAPAVTPSKKSLIDQYFGVEFETTMKCTESEEEEEVTGKQENQLQLSCFIN QEVKYLFTGLKRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVNAKVLKDVKFP LMLDVYELCTPELQEKMVSFRSKFKDLEDKKNVQPNANDKNSPPEIKYEPFSFADDIGSNNCGYYDLQ AVLTHQGRSSSGHYVSWVRRKQDEWIKFDDDKVSVITPEDILRLSGGGDWHIAYVLLYGPRRVEIMEEE SEQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	56.5 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.
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_067497



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Locus ID: 59025

UniProt ID: [Q9JMA1](#)

RefSeq Size: 4185

Cytogenetics: 18 4.91 cM

RefSeq ORF: 1479

Synonyms: 2610005K12Rik; 2610037B11Rik; AW107924; ax; C78769; nmf375

Summary: Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Plays a role in the innate immune defense against viruses by stabilizing the viral DNA sensor CGAS and thus inhibiting its autophagic degradation.[UniProtKB/Swiss-Prot Function]