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Product datasheet for TP522450

Usp44 (NM_183199) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin specific peptidase 44 (Usp44), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222450 representing NM_183199 Red=Cloning site Green=Tags(s) MDRCKHVEQLQLAQGHSILDPQKWYCMVCNTTESIWACLSCSHVACGKYIQEHALKHFQESSHPVAFEVN DMYAFCYLCNDYVLNDNAAGDLKSLRSTLSTIKSKKYPCVVPSDSVLHPVDAQDRVYSLLDGTQSLPGNE DPTCAALWHRRRVLMGKAFRTWFEQSAIGRKGQEPTQERMVAKREAKRRQQQELEQQMKAELESTPPRKS LRLQGSSEEAATIEIVPVRAPPPPPASPAKDKAALPTSEDRTFKKLDLNQWLAVAASDKARSYKHSAVTE AAAQQMNEGQEKEKGFVCSRHSGLSSGLSGGASKGRNMELIQPREPSSPYSSLCHELHILFQVMWSGEWA LVSPFAMLHSVWRLIPAFRGYAQQDAQEFLCELLDKIQRELETTGTKLPALIPTSQRRLIEQVLNVVNNI FHGQFLSQVWMSCHIFIIFGNSYSAAYNWVFCMDRAWESWWHFSVRIDFFHECVKKSRISESLEIVLYLW KQWLYGGESKENCIF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	58 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.
Locus ID:	327799

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UniProt ID:	Q8C2S0
RefSeq Size:	2946
Cytogenetics:	10 C2
RefSeq ORF:	1515
Synonyms:	E430004F17Rik
Summary:	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination. [UniProtKB/Swiss-Prot Function]