

Recombinant Mouse Usp44 Protein, Myc/DDK-tagged

Cat. No. Usp44-6880M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 44 (Usp44), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	58 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Usp44 ubiquitin specific peptidase 44 [Mus musculus (house mouse)]
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Official Symbol	Usp44
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Synonyms	Usp44; ubiquitin specific peptidase 44; E430004F17Rik; ubiquitin carboxyl-terminal hydrolase 44; deubiquitinating enzyme 44; inactive deubiquitinating enzyme 44; inactive ubiquitin carboxyl-terminal hydrolase 44; inactive ubiquitin thioesterase 44; inactive ubiquitin-specific-processing protease 44; ubiquitin specific peptidase 49 pseudogene; ubiquitin thioesterase 44; EC 3.4.19.12
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Gene ID	327799
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mRNA Refseq	NM_183199
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UniProt ID	Q8C2S0
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