Recombinant Mouse Usp21 Protein, Myc/DDK-tagged

Cat. No. Usp21-6870M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 21 (Usp21), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A releaves the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation. Regulates gene expression via histone H2A deubiquitination. Also capable of removing NEDD8 from NEDD8 conjugates but has no effect on Sentrin-1 conjugates. Deubiquitinates BAZ2A/TIP5 leading to its stabilization.
Molecular Mass	62.7 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.
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.

GENE INFORMATION

Gene Name	Usp21 ubiquitin specific peptidase 21 [Mus musculus (house mouse)]
Official Symbol	Usp21
Synonyms	USP21; ubiquitin specific peptidase 21; ubiquitin carboxyl-terminal hydrolase 21; ubiquitin thioesterase 21; deubiquitinating enzyme 21; ubiquitin thiolesterase 21; ubiquitin specific protease 21; ubiquitin specific protease 23; ubiquitin-specific-processing protease 21; Usp16; Usp23; ESTM28; W53272
Gene ID	30941
mRNA Refseq	NM_013919
Protein Refseq	NP_038947
UniProt ID	Q9QZL6

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