

Recombinant Mouse Usp16 Protein, Myc/DDK-tagged

Cat. No. Usp16-6867M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 16 (Usp16), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Specifically deubiquitinates 'Lys-120' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-11' of histone H3 (H3S10ph), and is required for chromosome segregation when cells enter into mitosis. In resting B- and T-lymphocytes, phosphorylation by AURKB leads to enhance its activity, thereby maintaining transcription in resting lymphocytes. Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B.
Molecular Mass	93.4 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Usp16 ubiquitin specific peptidase 16 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Usp16](#)

Synonyms

Usp16; ubiquitin specific peptidase 16; UBP-; UBPM; 1200004E02Rik; 2810483I07Rik; 6330514E22Rik; ubiquitin carboxyl-terminal hydrolase 16; deubiquitinating enzyme 16; ubiquitin specific protease 16; ubiquitin thioesterase 16; ubiquitin thiolesterase 16; ubiquitin-specific-processing protease 16; EC 3.4.19.12

Gene ID [74112](#)

mRNA Refseq [NM_024258](#)

Protein Refseq [NP_077220](#)

UniProt ID [Q99LG0](#)

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