

Recombinant Mouse Usp3 Protein, Myc/DDK-tagged

Cat. No. Usp3-6874M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 3 (Usp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is a chromatin-associated histone 2A and 2B deubiquitinating enzyme that negatively regulates the DNA damage response. Mice deficient for this enzyme have reduced hematopoietic stem cell reserves, demonstrating a requirement in hematopoietic stem cell homeostasis. In addition, knock down of protein levels results in spontaneous tumor development and shortened lifespan, consistent with a function in preserving chromosomal integrity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Molecular Mass	58.9 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	Usp3 ubiquitin specific peptidase 3 [Mus musculus (house mouse)]
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Official Symbol	Usp3
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Synonyms	USP3; ubiquitin specific peptidase 3; ubiquitin carboxyl-terminal hydrolase 3; ubiquitin thioesterase 3; deubiquitinating enzyme 3; ubiquitin thiolesterase 3; ubiquitin specific protease 3; ubiquitin-specific-processing protease 3; AA409661; BC017156; MGC28886
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Gene ID	235441
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mRNA Refseq	NM_144937
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Protein Refseq	NP_659186
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UniProt ID	Q91W36
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