

## Recombinant Mouse Usp3 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 3 (Usp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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]
<b>Molecular Mass</b>	58.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	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** Usp3 ubiquitin specific peptidase 3 [ *Mus musculus* (house mouse) ]

**Official Symbol** Usp3

**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

**Gene ID** 235441

**mRNA Refseq** NM\_144937

**Protein Refseq** NP\_659186

**UniProt ID** Q91W36

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