

## Recombinant Mouse Usp15 Protein, Myc/DDK-tagged

Cat. No. Usp15-6866M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 15 (Usp15), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>The protein encoded by this gene is a member of the large ubiquitin specific protease (Usp) family of proteins. These proteins are known to cleave ubiquitin, and contain a conserved cysteine residue (Cys box) and two conserved histidine residues (His box) that are thought to form part of the active site of the protease. This protein has been shown to cleave both the ubiquitin-proline and the ubiquitin-methionine bonds in vitro. This protein is thought to regulate many cellular processes through its deubiquitination activity, including the transforming growth factor beta (TGF-beta) pathway. Cardiac-specific overexpression of the human ortholog of this gene in mice causes enlargement of the heart that is more pronounced in the atrium than in the ventricle. This gene has two pseudogenes on chromosome 14. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Aug 2014]</p>
<b>Molecular Mass</b>	112.2 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

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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

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

## GENE INFORMATION

**Gene Name** [Usp15 ubiquitin specific peptidase 15 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Usp15](#)

**Synonyms** USP15; ubiquitin specific peptidase 15; ubiquitin carboxyl-terminal hydrolase 15; ubiquitin thioesterase 15; deubiquitinating enzyme 15; ubiquitin thiolesterase 15; ubiquitin specific protease 15; granule cell antiserum positive 18; ubiquitin-specific-processing protease 15; Gcap18; AI327321; mKIAA0529; 4921514G19Rik; E430033I05Rik

**Gene ID** [14479](#)

**mRNA Refseq** [NM\\_027604](#)

**Protein Refseq** [NP\\_081880](#)

**UniProt ID** [Q8R5H1](#)

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