

Recombinant Mouse Usp37 Protein, Myc/DDK-tagged

Cat. No. Usp37-6876M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin specific peptidase 37 (Usp37), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Deubiquitinase that antagonizes the anaphase-promoting complex (APC/C) during G1/S transition by mediating deubiquitination of cyclin-A (CCNA1 and CCNA2), thereby promoting S phase entry. Specifically mediates deubiquitination of 'Lys-11'-linked polyubiquitin chains, a specific ubiquitin-linkage type mediated by the APC/C complex. Also mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains in vitro. Phosphorylation at Ser-628 during G1/S phase maximizes the deubiquitinase activity, leading to prevent degradation of cyclin-A (CCNA1 and CCNA2). Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1.
Molecular Mass	110 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 [Usp37 ubiquitin specific peptidase 37 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Usp37](#)

Synonyms USP37; ubiquitin specific peptidase 37; ubiquitin carboxyl-terminal hydrolase 37; ubiquitin thioesterase 37; deubiquitinating enzyme 37; ubiquitin thiolesterase 37; ubiquitin specific protease 37; ubiquitin-specific-processing protease 37; 4932415L06Rik; C330008N13Rik

Gene ID [319651](#)

mRNA Refseq [NM_176972](#)

Protein Refseq [NP_795946](#)

UniProt ID [Q8C0R0](#)

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