

Recombinant Mouse Ube2t Protein, Myc/DDK-tagged

Cat. No. Ube2t-6799M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-conjugating enzyme E2T (Ube2t), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair: acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway. Also mediates monoubiquitination of FANCL and FANCI. May contribute to ubiquitination and degradation of BRCA1. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11', 'Lys-27', 'Lys-48' and 'Lys-63'-linked polyubiquitination.
Molecular Mass	23 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
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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	Ube2t ubiquitin-conjugating enzyme E2T [Mus musculus (house mouse)]
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Official Symbol	Ube2t
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Synonyms	UBE2T; ubiquitin-conjugating enzyme E2T (putative); ubiquitin-conjugating enzyme E2 T; ubiquitin-protein ligase T; ubiquitin carrier protein T; C80607; 2700084L22Rik
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Gene ID	67196
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mRNA Refseq	NM_026024
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Protein Refseq	NP_080300
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UniProt ID	Q9CQ37
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