Recombinant Mouse Ube2d2a Protein, Myc/DDK-tagged

Cat. No. Ube2d2a-6783M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-conjugating enzyme E2D 2A (Ube2d2a), 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. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3.
Molecular Mass	16.7 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	Ube2d2a ubiquitin-conjugating enzyme E2D 2A [Mus musculus (house mouse)]
Official Symbol	Ube2d2a
Synonyms	Ube2d2a; ubiquitin-conjugating enzyme E2D 2A; ubc4; Ubc2e; Ube2d2; 1500034D03Rik; ubiquitin-conjugating enzyme E2 D2; (E3-independent) E2 ubiquitin-conjugating enzyme D2; E2 ubiquitin-conjugating enzyme D2; E2(17)KB 2; ubiquitin carrier protein D2; ubiquitin conjugating enzyme 2e; ubiquitin-conjugating enzyme E2(17)KB 2; ubiquitin-conjugating enzyme E2-17 kDa 2; ubiquitin-conjugating enzyme E2D 2; ubiquitin-protein ligase D2; EC 2.3.2.23; EC 2.3.2.24
Gene ID	56550
mRNA Refseq	NM_019912
Protein Refseq	NP_064296
UniProt ID	P62838

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