

Recombinant Mouse Uba3 Protein, Myc/DDK-tagged

Cat. No. Uba3-6766M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-like modifier activating enzyme 3 (Uba3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is the catalytic subunit of the enzyme that activates NEDD8, a ubiquitin-like molecule that binds to its target proteins through an enzymatic reaction analogous to ubiquitylation. Embryonic mice deficient for this protein die prior to implantation and display apoptosis of the inner cell mass. Trophoblastic cells cannot enter S phase, demonstrating that this gene is required for cell cycle progression during embryogenesis. Two pseudogenes have been found for this gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]
Molecular Mass	49.2 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 Uba3 ubiquitin-like modifier activating enzyme 3 [Mus musculus (house mouse)]

Official Symbol Uba3

Synonyms UBA3; ubiquitin-like modifier activating enzyme 3; NEDD8-activating enzyme E1 catalytic subunit; NEDD8-activating enzyme E1C; ubiquitin activating enzyme 3; ubiquitin-activating enzyme 3; ubiquitin-activating enzyme E1C; ubiquitin-like modifier-activating enzyme 3; Ube1c; AI256736; AI848246; AW546539; A830034N06Rik

Gene ID 22200

mRNA Refseq NM_011666

Protein Refseq NP_035796

UniProt ID Q8C878

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