

Recombinant Full Length Mouse Uba1 Protein, Myc/DDK-tagged

Cat. No. Uba1-6764M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-like modifier activating enzyme 1 (Uba1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the ubiquitin-activating E1 family. The encoded protein initiates the ubiquitin activation and transfer cascade, catalyzing the first step in ubiquitin conjugation to mark cellular proteins for proteasome degradation. Ubiquitin activating enzymes use ATP to form a thioester between a conserved catalytic cysteine of the enzyme and the C-terminal carboxylate of ubiquitin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
Molecular Mass	117.8 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 [Uba1 ubiquitin-like modifier activating enzyme 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Uba1](#)

Synonyms UBA1; ubiquitin-like modifier activating enzyme 1; ubiquitin-like modifier-activating enzyme 1; ubiquitin-activating enzyme E1 X; ubiquitin-activating enzyme E1, Chr X; ubiquitin-like modifier-activating enzyme 1 X; Sbx; A1S9; Ube-1; Ube1x; AA989744

Gene ID [22201](#)

mRNA Refseq [NM_001136085](#)

Protein Refseq [NP_001129557](#)

UniProt ID [Q02053](#)

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