

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

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length ubiquitin-like modifier activating enzyme 1 (Uba1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.   |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | <p>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.</p> <p>Ubiquitin activating enzymes use ATP to form a thioester between a conserved catalytic cysteine of the enzyme and the C-terminal carboxylate of ubiquitin.</p> <p>Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> |
| <b>Molecular Mass</b>   | 117.8 kDa  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>Storage</b>          | 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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