

## Recombinant Mouse Ube2a Protein, Myc/DDK-tagged

Cat. No. Ube2a-6779M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ubiquitin-conjugating enzyme E2A (Ube2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In association with the E3 enzyme BRE1 (RNF20 and/or RNF40), it plays a role in transcription regulation by catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1. H2BK120ub1 gives a specific tag for epigenetic transcriptional activation, elongation by RNA polymerase II, telomeric silencing, and is also a prerequisite for H3K4me and H3K79me formation. In vitro catalyzes 'Lys-11', as well as 'Lys-48'-linked polyubiquitination. Required for postreplication repair of UV-damaged DNA.
<b>Molecular Mass</b>	17.3 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** Ube2a ubiquitin-conjugating enzyme E2A [ *Mus musculus* (house mouse) ]

**Official Symbol** Ube2a

**Synonyms**

UBE2A; ubiquitin-conjugating enzyme E2A, RAD6 homolog (*S. cerevisiae*); ubiquitin-conjugating enzyme E2 A; RAD6 homolog A; ubiquitin-protein ligase A; ubiquitin carrier protein A; ubiquitin-conjugating enzyme HR6A; ubiquitin-conjugating enzyme E2A (RAD6 homolog); HR6A; HHR6A; Mhr6a

**Gene ID** 22209

**mRNA Refseq** NM\_019668

**Protein Refseq** NP\_062642

**UniProt ID** Q9Z255

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