

## Active Recombinant Human UBE2A Protein, His-tagged

Cat. No. UBE2A-642H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UBE2A fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	UBE2A or ubiquitin-conjugating enzyme E2A is a member of the E2 ubiquitin-conjugating enzyme family which is required for post-replicative DNA damage repair and plays an important role in various cellular processes. RAD18 and RAD5 play a central role in mediating physical contacts between the members of the RAD6 pathway. UBE2A is specifically important during chronic low dose ultraviolet exposure to prevent counterproductive DNA checkpoint activation and allow cells to proliferate normally. Loss of the RAD6 error-free PRR pathway results in DNA damage checkpoint-induced G2 arrest in CLUV-exposed cells.
<b>Form</b>	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol
<b>Bio-activity</b>	30 nmol/min/mg
<b>Molecular Mass</b>	17 kDa
<b>Purity</b>	>95%

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<b>Applications</b>	Ubiquitin Enzyme Assay, Western Blot
<b>Stability</b>	1 year at - 70 centigrade from the date of shipment.
<b>Storage</b>	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.1 ug/ml

## GENE INFORMATION

<b>Gene Name</b>	UBE2A ubiquitin-conjugating enzyme E2A [ Homo sapiens ]
<b>Official Symbol</b>	UBE2A
<b>Synonyms</b>	UBE2A; ubiquitin-conjugating enzyme E2A; ubiquitin conjugating enzyme E2A (RAD6 homolog); ubiquitin-conjugating enzyme E2 A; HHR6A; RAD6A; UBC2; HR6A; RAD6 homolog A; ubiquitin-protein ligase A; ubiquitin carrier protein A; ubiquitin-conjugating enzyme E2A (RAD6 homolog); MRXSN; MRXS30;
<b>Gene ID</b>	7319
<b>mRNA Refseq</b>	NM_003336
<b>Protein Refseq</b>	NP_003327
<b>MIM</b>	312180
<b>UniProt ID</b>	P49459

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