

Recombinant Human UBE2A, His-tagged

Cat. No. UBE2A-219H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UBE2A was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	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.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~17 kDa
Purity	>95% by densitometry
Applications	Western Blot

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Storage 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.

Concentration 0.1 µg/µl

Full Length Full L.

GENE INFORMATION

Gene Name [UBE2A ubiquitin-conjugating enzyme E2A \[Homo sapiens \]](#)

Official Symbol UBE2A

Synonyms 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;

Gene ID [7319](#)

mRNA Refseq [NM_003336](#)

Protein Refseq [NP_003327](#)

MIM [312180](#)

UniProt ID [P49459](#)

Chromosome Location Xq24

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Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;

Function

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin protein ligase binding; ubiquitin-protein ligase activity;

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