Recombinant Full Length Human UBE2C, His-tagged

Cat. No. UBE2C-221H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UBE2C was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	UBE2C or ubiquitin-conjugating enzyme E2C is a member of the E2 ubiquitin-conjugating enzyme family which is required for the destruction of mitotic cyclins and for cell cycle progression. UBE2C acted as a dominant-negative inhibitor which blocks the destruction of mitotic cyclins A and B and the onset of anaphase in frog embryos and mammalian cells. High UBE2C mRNA expression is associated with poor disease-free survival and overall survival. High tumor grade, as well as high Ki67 protein expression, was more frequent in the high-expression group of UBE2C.
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	~21 kDa
Purity	>95% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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	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	UBE2C ubiquitin-conjugating enzyme E2C [Homo sapiens]
Official Symbol	UBE2C
Synonyms	UBE2C; ubiquitin-conjugating enzyme E2C; ubiquitin-conjugating enzyme E2 C; UBCH10; ubiquitin-protein ligase C; ubiquitin carrier protein C; ubiquitin carrier protein E2-C; cyclin-selective ubiquitin carrier protein; mitotic-specific ubiquitin-conjugating enzyme; dJ447F3.2;
Gene ID	11065
mRNA Refseq	NM_007019
Protein Refseq	NP_008950
MIM	605574
UniProt ID	O00762
Chromosome Location	20q13.12

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Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem;
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity; contributes_to ubiquitin-protein ligase activity;

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