

Recombinant Human UBE2D3, His-tagged

Cat. No. UBE2D3-205H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UBE2D3 (UBCH5C) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	UBE2D3 also known as UBCH5C or ubiquitin-conjugating enzyme E2D 3 is a member of the E2 ubiquitin-conjugating enzyme family which is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. UBE2D3 is involved in RA-induced cell cycle arrest and as a mediator of all-trans retinoic acid-induced cell growth arrest in human acute promyelocytic NB4 cells. UBE2D3 functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase and is critical for normal cellular, tissue, and organismal physiology.
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	UBE2D3 ubiquitin-conjugating enzyme E2D 3 [Homo sapiens]
Official Symbol	UBE2D3
Synonyms	UBE2D3; ubiquitin-conjugating enzyme E2D 3; ubiquitin conjugating enzyme E2D 3 (homologous to yeast UBC4/5) , ubiquitin conjugating enzyme E2D 3 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2 D3; Ubch5C; E2(17)KB 3; ubiquitin-protein ligase D3; ubiquitin carrier protein D3; ubiquitin-conjugating enzyme E2(17)KB 3; ubiquitin-conjugating enzyme E2-17 kDa 3; ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5); UBC4/5; UBCH5C; E2(17)KB3; MGC5416; MGC43926;
Gene ID	7323
mRNA Refseq	NM_003340
Protein Refseq	NP_003331
MIM	602963

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UniProt ID	P61077
Chromosome Location	4q24
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; BARD1 signaling events, organism-specific biosystem; BMP Signalling Pathway, organism-specific biosystem; Canonical NF-kappaB pathway, organism-specific biosystem; Class I MHC mediated antigen processing &
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity;

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