

Recombinant Full Length Human UBE2D2, His-tagged

Cat. No. UBE2D2-71H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UBE2D2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-147 aa).
Species	Human
Source	E.coli
ProteinLength	1-147 a.a.
Description	UBE2D2 is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. UBE2D2 catalyzes ubiquitination of IκB-alpha in a phosphorylation and SCFB-TRCP dependent manner.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.
Molecular Weight	18.9 kDa (167aa), confirmed by MALDI-TOF
Purity	> 95 % by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSPYQGGVF FLTIHFPTDY PFKPPKVAFT TRIYHPNINS

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NGSICLDILR SQWSPALTIS KVLLSICSL CDPNPDDPLV PEIARIYKTD
REKYNRIARE WTQKYAM

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

UBE2D2 ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast) [Homo sapiens]

Official Symbol

UBE2D2

Synonyms

UBE2D2; UBC4; PUBC1; UBC4/5; UBCH5B; E2(17)KB2; ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2 D2 OTTHUMP00000223475 OTTHUMP00000223476 OTTHUMP00000223477 OTTHUMP00000223478 OTTHUMP00000224375 ubiquitin-protein ligase D2 ubiquitin carrier protein D2 ubiquitin-conjugating enzyme E2(17)KB 2 ubiquitin-conjugating enzyme E2-17 kDa 2 ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5); EC 6.3.2.19; ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5); Ubiquitin carrier protein D2; Ubiquitin-conjugating enzyme E2(17)KB 2; Ubiquitin-conjugating enzyme E2-17 kDa 2; Ubiquitin-protein ligase D2; Ubiquitin-conjugating enzyme E2 D2

Gene ID

7322

mRNA Refseq

NM_003339

Protein Refseq

NP_003330

MIM

602962

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UniProt ID	P62837
Chromosome Location	5q31.2
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity
PDBrendering based on 1ur6.	