

Recombinant Human UBE2D3, His-tagged

Cat. No. UBE2D3-30044TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UBE2D3, isoform 3 with an N terminal His tag mwt: 19.1 kDa.
Species	Human
Source	E.coli
ProteinLength	149 amino acids
Description	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes 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. Multiple spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been determined.
Conjugation	HIS
Molecular Weight	19.100kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 40% Glycerol, 0.88% Sodium chloride, 0.02% DTT
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMLSNRKCLSKELSDLARDPPAQCSAGPVGDDMFH WQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFTTRIYHPNINSNGSICLDILRS QWSPALTISKVLLSICSLLCDPNPDDPLVPEIARIYKTDKYNRISREWTQKYAM
Sequence Similarities	Belongs to the ubiquitin-conjugating enzyme family.

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;
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; Canonical NF-kappaB pathway, organism-specific biosystem;
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding;

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