

Recombinant Human UBE2D3

Cat. No. UBE2D3-30045TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UBE2D3 with 25 kDa proprietary tag produced in <i>Saccharomyces cerevisiae</i> ; amino acids 1-147; 147 amino acids, 16.7kDa,
Species	Human
ProteinLength	1-147 a.a.
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.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MALKRINKELSDLARDPPAQCSAGPVGDDMFHWQATIMGP NDSPYQGGVFFLTIHF PTDYPFKPPKVAFTTRIYHPNI NSNGSICLDILRSQWSPALTISKVLLSICSLLCDPNP D DPLVPEIARIYKTDNRDKYNRISREWTQKYAM
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Sequence Similarities	Belongs to the ubiquitin-conjugating enzyme family.
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Full Length	Full L.
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GENE INFORMATION

Gene Name	UBE2D3 ubiquitin-conjugating enzyme E2D 3 [Homo sapiens]
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Official Symbol	UBE2D3
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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;
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Gene ID	7323
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mRNA Refseq	NM_003340
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Protein Refseq	NP_003331
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MIM	602963
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Uniprot ID	P61077
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Chromosome Location	4q24
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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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