

# Recombinant Human UBE2D3

**Cat. No.** UBE2D3-30046TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Tagged Recombinant Human UBE2D3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>        | 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. |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>             | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 10% Glycerol, 50mM Sodium chloride, 50mM HEPES, 1mM DTT, pH 7.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>            | Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequences of amino</b> | The sequence (minus the tag) is: MALKRIHKELNDLARDPPAQCSAGPVGDDMFHW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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**acids** QATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFTT RIYHPNINSNGSICLDILRSQ  
WSPALTISKVLLSICSLLC DPNPDDPLVPEIARIYKTDREKYNRIAREWTQKYAM

**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

**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,

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organism-specific biosystem;

**Function**

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding;

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