

# Recombinant Human UBE2B Protein, His-tagged

**Cat. No.** UBE2B-615H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human UBE2B fused with His tag at C-terminal was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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 is required for post-replicative DNA damage repair. Its protein sequence is 100% identical to the mouse, rat, and rabbit homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. |
| <b>Form</b>             | Supplied as a 0.2 μM filtered solution of 25mM Tris, pH 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 18.3kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MSTPARRRLMRDFKRLQEDPPVGVSGAPSENNIMQWNAVIFGPEGTPFEDGTFKLV<br>IEFS EEYPNKPPTVRFLSKMFHPNVYADGSICLDILQNRWSPTYDVSSILTSIQSLLD<br>EPNPNS PANSQAAQLYQENKREYEKRVSAIVEQSWNDSLDHHHHHH                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | Endotoxin level is <0.1 ng/g of protein (<1EU/g).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

## GENE INFORMATION

**Gene Name** UBE2B ubiquitin-conjugating enzyme E2B [ Homo sapiens ]

**Official Symbol** UBE2B

**Synonyms**

UBE2B; ubiquitin-conjugating enzyme E2B; ubiquitin conjugating enzyme E2B (RAD6 homolog); ubiquitin-conjugating enzyme E2 B; HHR6B; RAD6B; UBC2; E2 protein; RAD6 homolog B; ubiquitin-protein ligase B; ubiquitin carrier protein B; ubiquitin-conjugating enzyme E2-17 kDa; ubiquitin-conjugating enzyme E2B (RAD6 homolog); HR6B; E2-17kDa;

**Gene ID** 7320

**mRNA Refseq** NM\_003337

**Protein Refseq** NP\_003328

**MIM** 179095

**UniProt ID** P63146

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