

# Recombinant Human UBC12, His-tagged

**Cat. No.** UBC12-3523H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human UBC12 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                              |
| <b>Species</b>          | Human                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-183aa                                                                                                                                                               |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                             |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | UBE2M ubiquitin-conjugating enzyme E2M [ Homo sapiens ]                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | UBE2M                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | UBE2M; ubiquitin-conjugating enzyme E2M; ubiquitin conjugating enzyme E2M (homologous to yeast UBC12) , ubiquitin conjugating enzyme E2M (UBC12 homolog, yeast); NEDD8-conjugating enzyme Ubc12; hUbc12; UBC12; yeast UBC12 homolog; NEDD8 protein ligase; NEDD8 carrier protein; ubiquitin-protein ligase M; ubiquitin |

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|                            |                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | carrier protein M; ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast); UBC-RS2;                                                                                                                                                                        |
| <b>Gene ID</b>             | <a href="#">9040</a>                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | <a href="#">NM_003969</a>                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | <a href="#">NP_003960</a>                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | <a href="#">603173</a>                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | <a href="#">P61081</a>                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 19q13.43                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organi |
| <b>Function</b>            | ATP binding; NEDD8 ligase activity; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ribosomal S6-glutamic acid ligase activity; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity;                |