

# Active Recombinant Human UBE2N Protein, His-tagged

**Cat. No.** UBE2N-650H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human UBE2N(2-end) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 2-152 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | UBE2N (UBC13) or ubiquitin-conjugating enzyme E2N is a member of the E2 ubiquitin-conjugating enzyme family which plays a role in DNA post-replication repair. UBE2N gene encodes a novel human E2 that may be involved in protein degradation in the muscles and testis. UBE2N plays a role in initiation of homologous recombination during double-strand break repair. UBE2N activity may have therapeutic uses in controlling inflammatory responses and it is also important in the induction of immune responses. |
| <b>Form</b>             | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | 9 nmol/min/mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 18 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| <b>Applications</b>     | Ubiquitin Enzyme Assay, Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | 1 year at - 70 centigrade from the date of shipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>    | 0.1 ug/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | UBE2N ubiquitin-conjugating enzyme E2N [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | UBE2N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | UBE2N; ubiquitin-conjugating enzyme E2N; ubiquitin conjugating enzyme E2N (homologous to yeast UBC13) , ubiquitin conjugating enzyme E2N (UBC13 homolog, yeast); ubiquitin-conjugating enzyme E2 N; MGC8489; UBC13; UbCH ben; yeast UBC13 homolog; ubiquitin-protein ligase N; ubiquitin carrier protein N; bendless-like ubiquitin conjugating enzyme; bendless-like ubiquitin-conjugating enzyme; ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast); ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13); UbCH-ben; MGC131857; |
| <b>Gene ID</b>          | 7334                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_003348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_003339                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 603679                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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UniProt ID

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