

# Recombinant Human CDC34, His-tagged

**Cat. No.** CDC34-138H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CDC34, fused with His tag, was expressed in E.coli. |
| <b>Species</b>          | Human                                                                 |
| <b>Source</b>           | E.coli                                                                |
| <b>Form</b>             | Liquid, 50 mM Tris, pH 7.5; 150 mM NaCl; 10 mM DTT; 10% glycerol      |
| <b>Molecular Mass</b>   | 27,730.4 Da by MS (calculated 27,730.8)                               |
| <b>Purity</b>           | >95% by RP-HPLC                                                       |
| <b>Applications</b>     | Ubiquitin ligation reactions                                          |
| <b>Storage</b>          | Store at -80°C. Avoid repeated freeze/thaw cycles.                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CDC34 cell division cycle 34 homolog ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]                                                                                                                                                                         |
| <b>Official Symbol</b> | CDC34                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | CDC34; cell division cycle 34 homolog ( <i>S. cerevisiae</i> ); cell division cycle 34; ubiquitin-conjugating enzyme E2 R1; E2 CDC34; UBC3; UBE2R1; ubiquitin carrier protein; ubiquitin-protein ligase R1; ubiquitin-conjugating enzyme E2-CDC34; ubiquitin- |

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|                            |                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | conjugating enzyme E2-32 KDA complementing; UBCH3; E2-CDC34;                                                                                                                                                                                                                                                                                |
| <b>Gene ID</b>             | 997                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>         | NM_004359                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_004350                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | 116948                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | P49427                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 19p13.3                                                                                                                                                                                                                                                                                                                                     |
| <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; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; |
| <b>Function</b>            | ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity;                                                                                                                                                                   |

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