

## Recombinant Human CDC34, GST-tagged

Cat. No. CDC34-11005H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CDC34 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-236a.a.

**Description** CD2 is a surface antigen of the human T-lymphocyte lineage that is expressed on all peripheral blood T cells (summarized by Sewell et al., 1986 [PubMed 3490670]). It is one of the earliest T-cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes. Monoclonal antibodies directed against CD2 inhibit the formation of rosettes with sheep erythrocytes, indicating that CD2 is the erythrocyte receptor or is closely associated with it.[supplied by OMIM, Jul 2010]

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 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 100mM GSH and 1% Triton X-100, 15% glycerol

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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-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 & 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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