

## Recombinant Human CDT1, GST-tagged

Cat. No. CDT1-11073H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human CDT1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| Species          | Human                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                            |
| ProteinLength    | 195-546a.a.                                                                                                                                                       |
| 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

|                 |                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CDT1 chromatin licensing and DNA replication factor 1 [ Homo sapiens ]                                                                 |
| Official Symbol | CDT1                                                                                                                                   |
| Synonyms        | CDT1; chromatin licensing and DNA replication factor 1; DNA replication factor Cdt1; DUP; RIS2; Double parked, Drosophila, homolog of; |
| Gene ID         | 81620                                                                                                                                  |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | <a href="#">NM_030928</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | <a href="#">NP_112190</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | <a href="#">605525</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | <a href="#">Q9H211</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 16q24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; CDT1 association with the CDC6:ORC:origin complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; |
| <b>Function</b>            | DNA binding; protein binding;                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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