

Recombinant Human CDT1, His-tagged

Cat. No. CDT1-27915TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 416-546 of Human CDT1 with N terminal His tag; Predicted MWt 16 kDa.
Species	Human
Source	E.coli
ProteinLength	416-546 a.a.
Description	The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 92 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	KGVSQDLLERIRAKEAQKQLAQMTRCPEQEQLRLRLRLP ELARVLRVSVFVSRKP

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acids	ALSMEVACARMVGSCCTIMSPG EMEKLLLLSELLPDWLSLHRIRTDITYVKLDKAA DLAH ITARLAHQTRAEEGL
Sequence Similarities	Belongs to the Cdt1 family.
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;
Gene ID	81620
mRNA Refseq	NM_030928
Protein Refseq	NP_112190
MIM	605525
Uniprot ID	Q9H211
Chromosome Location	16q24.3
Pathway	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

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Cycle, Mitotic, organism-specific biosystem;

Function

DNA binding; protein binding;

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