Recombinant Full Length Human CDT1 Protein, GST-tagged

Cat. No. CDT1-575HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CDT1(1 a.a. - 546 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	546 amino acids
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	86.46 kDa
AA Sequence	MEQRRVTDFF ARRRPGPPRI APPKLACRTP SPARPALRAP ASATSGSRKR ARPPAAPGRD QARPPARRRL RLSVDEVSSP STPEAPDIPA CPSPGQKIKK STPAAGQPPH LTSAQDQDTI SELASCLQRA RELGARVRAL KASAQDAGES CTPEAEGRPE EPCGEKAPAY QRFHALAQPG LPGLVLPYKY QVLAEMFRSM DTIVGMLHNR SETPTFAKVQ RGVQDMMRRR FEERNVGQIK TVYPASYRFR QERSVPTFKD GTRRSDYQLT IEPLLEQEAD GAAPQLTASR LLQRRQIFSQ

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	KLVEHVKEHH KAFLASLSPA MVVPEDQLTR WHPRFNVDEV PDIEPAALPQ PPATEKLTTA QEVLARARNL ISPRMEKALS QLALRSAAPS SPGSPRPALP ATPPATPPAA SPSALKGVSQ DLLERIRAKE AQKQLAQMTR CPEQEQRLQR LERLPELARV LRSVFVSERK PALSMEVACA RMVGSCCTIM SPGEMEKHLL LLSELLPDWL SLHRIRTDTY VKLDKAADLA HITARLAHQT RAEEGL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

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