

CDT1-like protein b (CDT1B), Recombinant Protein

Cat *RP05440*

Size 0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Mammalian-Cell*)/ 1
mg (*Yeast*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Arabidopsis thaliana* (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* CDT1-like protein b (CDT1B)

Product Gene Name

CDT1B recombinant protein

Product Synonym Gene Name

CDT1B

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MSSSSKIDSE KPVMVSESLF STKTPIKTVK RQIFSSSPKP ESVIKLPERF EILEEFFNGL DTAIRLLKLK
GSSTTYANIC PKIEYLTNRI FSYDHLAQM KHIYPEAIELK RVLKFVEDTC CMKPRLHIKL NTDIVVEDT
ICGTKYMELR KVFHSKLVDF RKAHPKDEIP KELLPEPFNS PQRDSYSGIV SVGLGEPKLE VGGFDVHMEE
IEQEEQDVNK VIPDSTLSHI ESRIVETPVK DLSTPSKDL S TPIRLMSATP TLQLSKRCIE LTPEGGDDNS
LRSTNSLARG PSRSLNFDTF EEDAIEKDDI GNESDDKGIN YEEDGLLQSV KGPSRSLNFD TLEEETIVKD
DISNESGDEK SNYEGDNASD DDSLLQSMIE RPKTEPEKHN LPQLVNLHR VFHSTNRTVI TKEELLYKII
ANQINITDRR EVEEQLSLML QLPDWISET KASSGDLVLR INKMSTAETV RARLEEATSH DISLIY

Sequence Positions

1-486, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E. coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

55,019 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.
Repeated freezing and thawing is not recommended.

Protein Family

CDT1-like protein

NCBI Accession

NP_191031.1

NCBI GI

15232570

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

824636

NCBI Official Full Name

CDT1-like protein B

NCBI Official Symbol

CDT1B

NCBI Official Synonym Symbols

ARABIDOPSIS HOMOLOG OF YEAST CDT1; ARABIDOPSIS HOMOLOG OF YEAST CDT1 B; ATCDT1B;
CDT1; homolog of yeast CDT1 B homolog of yeast CDT1 B

NCBI Protein Information

CDT1-like protein B

NCBI Summary

Encodes a cyclin-dependent protein kinase. Involved in nuclear DNA replication and plastid division.

UniProt Gene Name

CDT1B

UniProt Synonym Gene Names

AtCDT1b

UniProt Protein Name

CDT1-like protein b

UniProt Primary Accession

Q9M1S9

UniProt Related Accession

Q9M1S9

UniProt Comments

Member of the pre-replication complex. Regulates endoreduplication. Involved in the coordination of cell and plastid division.

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