CDT1-Like Protein a, Chloroplastic (CDT1A) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	CDT1-like protein a, chloroplastic (CDT1A), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana CDT1-like protein a, chloroplastic (CDT1A)
Product Gene Name	CDT1A recombinant protein
Product Synonym Gene Name	CDT1A
Sequence	ASSAKSRLFF DSSSSSPSKR KSSNKNAEKE KLPEKYENLG KFFEALDNSM LLSKLRGSKP TFSNISKQIE HLTERRFCYS HLAQIKHILP EAIEIKRVLI HDETTCCMKP DLHVTLNADA VEYNDKSKSE SKKIALRKVF RARLADFVKA HPQGDEVPEE PLPEPFNRRK PVENSNVEVK RVSSLMEEMA SIPASKLFSS PITSTPVKTT SSLAKPTSSQ INIAPTPTKP TSTPAKQTLS EINILPTPVK PVSTLAKFPS TPAIIDSTPV ITATPPEFAS TPARLMSTSL AARPLKRSNG HTNPDDISAD PPTKLVRRSL SLNFDSYPED ERTMDFTDDI PIDQVPEEDV SSDDEILSIL PDKLRHAIKE QERKAIEDQN PAISLAKRRR KMIACLPKLF NVIHYLIQSI RRWVITKEEL VHKIIAGHSD ITDRKEVEEQ LILLQEIVPE WMSEKKSSSG DVLVCINKLA SPLTIRSRLE EENKQEMAPL LS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	63,740 Da
Sequence Positions	80-571, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9SJW9
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CDT1A recombinant protein	MBS1438114 is a recombinant protein targeting CDT1A. Also known as Recombinant Arabidopsis thaliana CDT1-like protein a, chloroplastic (CDT1A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CDT1A recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDT1A. It may not necessarily be applicable to this product.

NCBI GI #	15224645
NCBI GeneID	817684
NCBI Accession #	NP_180685.1
UniProt Primary Accession #	Q9SJW9

UniProt Secondary Accession #	Q710F0; Q8L7I6
UniProt Related Accession #	Q9SJW9
GenBank Nucleotide #	NM_128683.4
NCBI Official Full Name	CDT1-like protein A
NCBI Official Symbol	CDT1A
NCBI Official Synonym Symbols	ARABIDOPSIS HOMOLOG OF YEAST CDT1; ARABIDOPSIS HOMOLOG OF YEAST CDT1 A; ATCDT1A; CDT1; F16D14.11; F16D14_11; homolog of yeast CDT1 A
UniProt Protein Name	CDT1-like protein a, chloroplastic
Protein Family	CDT1-like protein
UniProt Gene Name	CDT1A
UniProt Synonym Gene Names	AtCDT1a
NCBI Protein Information	CDT1-like protein A
NCBI Summary for CDT1A	Encodes a cyclin-dependent protein kinase. Involved in nuclear DNA replication and plastid division. Located in nucleus and chloroplast.
UniProt Comments for CDT1A	Member of the pre-replication complex. Component of the plastid division machinery. Promotes polyloidization and regulates endoreduplication. Involved in the coordination of cell and plastid division.
Research Articles on CDT1A	**1.** Arabidopsis CDT1 proteins played a crucial role in genome stability.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/cdt1-like-protein-a-chloroplastic-cdt1a/1438114