

# Recombinant Full Length Arabidopsis Thaliana Plastid Division Protein Cdp1, Chloroplastic(Cdp1) Protein, His-Tagged

**Cat. No.** RFL15482AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana Plastid division protein CDP1, chloroplastic(CDP1) Protein (Q8VY16) (77-819aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Arabidopsis thaliana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length of Mature Protein (77-819)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | DNAPSRTSSLAASTSTIELPVTCYQLIGVSEQAEKDEVVKSVINLKKTDAAEEGYTMEA<br>AA ARQDLLMDVRDKLLFESEYAGNLKEKIAPKSPLRIPWAWLPGALCLLQEVGQEK<br>LVLDIG RAALRNLDSPYIHDIFLSMALAECAIAKAAFEVNKVSQGFEALARAQSFLK<br>SKVTLGKL ALLTQIEESLEELAPPCTDLLGLPRTPENAEERRRGAI AALRELLRQGLS<br>VEASCQIQDW PCFLSQAISRLATEIVDLLPWDDLAI TRKNKKSLESHNQRVIDFNC<br>FYMVLLGHIAVG FSGKQNETINKAKTICECLIASEGVDLKFEEAFCSFLLKQGSEAEA<br>LEKLKQLESNSDSA VRNSILGKESRSTSATPSLEAWLMESVLANFPDTRGCSPLA<br>NFFRAEKKYPENKKMGSP SIMNHKTNRPLSTTQFVNSSQHLYTAVEQLTPTDLQS<br>PVVSAKNNDETSASMPVQLKR NLGVHKNKIWDEWLSQSSLIGRVSVVALLGCTVF<br>FSLKLSGIRSGRLQSMPIVSARPHS ESDSFLWKTESGNFRKNLDSVNRNGIVGNIK |

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VLIDMLKMHCGEHPDALYLKSSGQSATSL SHSASELHKRPMDTEEAELVRQWEN  
VKAEALGPTHQVYSLSEVLDESMLVQWQTLAQTA EAKSCYWRFVLLHLEVLQAHIF  
EDGIAGEAAEIEALLEEAAELVDESQPKNAKYYSTYKI RYILKKQEDGLWKFCQSDIQ  
IQK

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** CDP1

**Synonyms** CDP1; ARC6H; PARC6; At3g19180; MVI11.9; Plastid division protein CDP1, chloroplastic; ARC6-homolog protein; Protein CHLOROPLAST DIVISION SITE POSITIONING 1; AtCDP1; Protein PARALOG OF ARC6

**UniProt ID** [Q8VY16](#)

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