# Cell division cycle 5-like protein (CDC5), Recombinant Protein

CD BioSciences
Plant Protein

*Cat RP01857*

## Species
Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name
Recombinant Arabidopsis thaliana Cell division cycle 5-like protein (CDC5) , partial

## Product Gene Name
CDC5 recombinant protein

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

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

## Host
E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight
95,767 Da

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

## Protein Family
Cell cycle serine/threonine-protein kinase

## NCBI Accession #
NP_172448.1

## NCBI GI #
15218276

## NCBI GenBank Nucleotide #
NM_100849.3

## NCBI GeneID
837506

## NCBI Official Full Name
cell division cycle 5

## NCBI Official Symbol
CDC5

## NCBI Official Synonym Symbols
ARABIDOPSIS THALIANA CELL DIVISION CYCLE 5; ARABIDOPSIS THALIANA MYB DOMAIN CELL DIVISION CYCLE 5; ATCDC5; ATMYBCDC5; cell division cycle 5; F21M12.15; F21M12_15

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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https://www.cd-biosciences.com/plant-protein/

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## NCBI Protein Information
cell division cycle 5

## NCBI Summary
Member of MYB3R- and R2R3- type MYB- encoding genes. Essential for plant innate immunity. Interacts with MOS4 and PRL1.

## UniProt Gene Name
CDC5

## UniProt Synonym Gene Names
MAC1; MYBCD5; Cdc5-like protein; MAC protein 1; AtMYBCD5

## UniProt Protein Name
Cell division cycle 5-like protein

## UniProt Synonym Protein Names
Atypical R2R3-MYB transcription factor CDC5; MOS4-associated complex protein 1; MAC protein 1; Protein MYB DOMAIN CELL DIVISION CYCLE 5; AtMYBCD5

## UniProt Primary Accession #
P92948

## UniProt Secondary Accession #
O04498; Q6R0C5; B9DFT0

## UniProt Related Accession #
P92948

## UniProt Comments
Component of the MAC complex that probably regulates defense responses through transcriptional control and thereby is essential for plant innate immunity. Possesses a sequence specific DNA sequence 'CTCAGCG' binding activity. Involved in mRNA splicing and cell cycle control. May also play a role in the response to DNA damage.



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