

Calcium-dependent protein kinase 30 (CPK30), Recombinant Protein

Cat *RP05453*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Calcium-dependent protein kinase 30 (CPK30) , partial

Product Gene Name

CPK30 recombinant protein

Product Synonym Gene Name

CPK30

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

61,404 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

Calcium-dependent protein kinase

NCBI Accession

NP_177612.2

NCBI GI

30699042

NCBI GenBank Nucleotide

NM_106132.4

NCBI GeneID

843813

NCBI Official Full Name

calcium-dependent protein kinase 30

NCBI Official Symbol

CPK30

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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ATCPK30; CALCIUM-DEPENDENT PROTEIN KINASE 1A; calcium-dependent protein kinase 30; CDPK1A; F25A4.29; F25A4_29

NCBI Protein Information

calcium-dependent protein kinase 30

NCBI Summary

member of Calcium Dependent Protein Kinase

UniProt Gene Name

CPK30

UniProt Synonym Gene Names

CDPK1A; AtCDPK1a

UniProt Protein Name

Calcium-dependent protein kinase 30

UniProt Synonym Protein Names

Calcium-dependent protein kinase isoform CDPK1a; AtCDPK1a

UniProt Primary Accession

Q9SSF8

UniProt Secondary Accession

Q9SBZ3

UniProt Related Accession

Q9SSF8

UniProt Comments

May play a role in signal transduction pathways that involve calcium as a second messenger. May be a positive regulator controlling stress signal transduction. Acts as a calcium sensor involved in the hormone-signaling pathways.

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