

Protein kinase APK1A, chloroplastic (APK1A), Recombinant Protein

Cat RP04824

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

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

Full Product Name

Recombinant Arabidopsis thaliana Protein kinase APK1A, chloroplastic (APK1A)

Product Gene Name

APK1A recombinant protein

Purity

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

Sequence

PSPRTEGEIL QSPNLKSFSF AELKSATRNF RPDSVLGEKG FGCVFKGWID EKSLTASRPG TGLVIAVKKL
NQDGWQGHQE WLAEVNYLQQ FSHRHLVKLI GYCLEDDEHRL LVYEFMPRGS LENHLFRRGL YFQPLSWKLR
LKVALGAAKG LAFLHSSETR VIYRDFKTSN ILLDSEYNAK LSDFGLAKDG PIGDKSHVST RVMGTHGYAA
PEYLATGHLT TKSDVYSGVG VLLELLSGRR AVDKNRPSSGE RNLVEWAKPY LVNKRKIFRV IDNRLQDQYS
MEEACKVATL SLRCLTTEIK LRPNMSEVVS HLEHIQSLNA AIGGNMDKTD RRMRRRSDSV VSKKVNAGFA
RQTAGVSTVV AYPRPSASPL YV

Sequence Positions

39-410, 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

45,519 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

Protein kinase

NCBI Accession

NP_001320608.1

NCBI GI

1063681258

NCBI GenBank Nucleotide

NM_001331710.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Protein kinase APK1A, chloroplastic (APK1A), Recombinant Protein

Cat RP04824

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)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID
837271

NCBI Official Full Name

Protein kinase superfamily protein

NCBI Official Symbol

APK1A

NCBI Official Synonym Symbols

APK1; F22G5.5; F22G5_5

NCBI Protein Information

Protein kinase superfamily protein

NCBI Summary

Protein kinase capable of phosphorylating tyrosine, serine, and threonine residues

UniProt Gene Name

PBL9

UniProt Protein Name

Probable serine/threonine-protein kinase PBL9

UniProt Synonym Protein Names

PBS1-like protein 9

UniProt Primary Accession

Q06548

UniProt Secondary Accession

Q9LNY0

UniProt Related Accession

Q06548

UniProt Comments

Possible bi-functional kinase. In vitro, it exhibits serine/threonine activity. In vivo, can phosphorylate tyrosine residues of limited substrates (PubMed:1450380). May be involved in plant defense signaling .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY