

CBL-interacting protein kinase 8 (CIPK8), Recombinant Protein

Cat RP12673

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)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica CBL-interacting protein kinase 8 (CIPK8)

Product Gene Name

CIPK8 recombinant protein

Product Synonym Gene Name

CIPK8

Purity

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

Sequence

MVGGGALRRV GKYEVRTIG EGTFAKVKFA QNTESGESVA MKVVDRSSIL KHKMADQIKR EISIMKLV RH
PNVVRLEHL ASRKKIFIL EFITGGELFD KIIRHGRLNE ADARRYFQQL IDGVDFCHSK GYVHRDLKPE
NLLDLSQGNL KISDFGLSAW PAQGGALLRT TCGTPNYVAP EVLSHKG YDG ALADTWSCGV ILYVLLAGYL
PFDEVDLTTL YGKIESAEYS FPAWFPNGAK SLIHRILDPN PDKRIRIEEI RNDEWFKKNY EPTREIESEE
VNLDDVNAAF DDPEEDADHT LDDEAGPLTL NAFDLIILSQ GLNLAALFDR RQDYDKLQNR FLSRKP AKVI
MSSMEVVAQS MGYKTHIRNY KMRVEGLNAN KTSHLAVMLE IFEVAPSIFM IELQRAAGDT SDYNKFINNY
CSKLDDIWN FPIEKSKSRI SRLSKR

Sequence Positions

1-446, 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

50,598 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

CBL-interacting protein kinase

NCBI Accession

XP_015621427.1

NCBI GI

1002234447

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

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

XM_015765941.1

NCBI GeneID

4326419

NCBI Official Full Name

CBL-interacting protein kinase 8 isoform X1

NCBI Official Symbol

LOC4326419

NCBI Official Synonym Symbols

CIPK8; OsCIPK08

NCBI Protein Information

CBL-interacting protein kinase 8

UniProt Gene Name

CIPK8

UniProt Protein Name

CBL-interacting protein kinase 8

UniProt Synonym Protein Names

OsCIPK08

UniProt Primary Accession

Q5JLD8

UniProt Secondary Accession

A0A0P0V3N6

UniProt Related Accession

Q5JLD8

UniProt Comments

CIPK serine-threonine protein kinases interact with CBL proteins. Binding of a CBL protein to the regulatory NAF domain of CIPK protein lead to the activation of the kinase in a calcium-dependent manner .

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