

CBL-interacting protein kinase 2 (CIPK2), Recombinant Protein

Cat RP12786

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 2 (CIPK2)

Product Gene Name

CIPK2 recombinant protein

Product Synonym Gene Name

CIPK2

Purity

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

Sequence

MAEQRGNMLM KKYEMGKLLG QGTFKVVYHA RNTETSESVA IKMIDKEKVL KGGLMDQIKR EISVMKLVHRH
PNIVQLYEVM ATKTKIYFVL EHVKGGELEFN KVQRGRLEKD AARKYFQQLI CAVDFCHSRG VYHRDLKPEN
LLLDNSNLK VSDFGLSALA DCKRQDGLLH TTCGTPAYVA PEVINRRGYD GAKADIWSCG VILFVLLAGY
LPFHDKNLMD MYKKIGKAEF KCPSWFNTDV RRLRLRILDP NPSTRISMDK IMENPWFRKG LDKLLRYNL
QPKDAIPVDM STDFDSFNSA PTLEKKPSNL NAFDIISLST GLDLSGMFEE SDKKESKFTS TSTASTIISK
IEDIAKGLRL KLTKKDGGLL KMEGSKPGRK GVMGIDAEIF EVTPNFHLVE LKKTNGDTLE YRKVLNQEMR
PALKDIVAWW QGEQPKQQQQ PTC

Sequence Positions

1-443, 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

50,272 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_015646996.1

NCBI GI

1002285411

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)

NCBI GeneID

4344287

NCBI Official Full Name

CBL-interacting protein kinase 2

NCBI Official Symbol

LOC4344287

NCBI Official Synonym Symbols

CIPK2; OsCIPK02; OsJ_024573; OJ1409_C08.14-1; OJ1409_C08.14-2

NCBI Protein Information

CBL-interacting protein kinase 2

UniProt Gene Name

CIPK2

UniProt Protein Name

CBL-interacting protein kinase 2

UniProt Synonym Protein Names

OsCIPK02

UniProt Primary Accession

Q7X996

UniProt Secondary Accession

Q7X995

UniProt Related Accession

Q7X996

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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