

CBL-interacting protein kinase 14 (CIPK14), Recombinant Protein

Cat RP13435

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 14 (CIPK14)

Product Gene Name

CIPK14 recombinant protein

Product Synonym Gene Name

CIPK14

Purity

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

Sequence

MESRGKILME RYELGRLLGK GTFGKVHYAR NLESNQSVAI KMMDKQQVLK VGLSEQIRRE ITTMRLLVAHK
NIVQLHEVMA TRNKIYFVME YVKGGELFEK VAKRGKLTEV VAHKYFQQLI SAVDYCHSRG VYHRDLKPEN
LLLDENENLK VSDFGLSALS ESKRQDGLLH TTCGTPAYVA PEVSKIGYD GAKSDIWSCG VILFVLVAGY
LPFQGPNLME MYRKIQHGEF RCPGWFSRKL QKLLYKIMDP NPSTRISIQK IKESTWFRKG PEENRILKER
TLNENTTKNV ALVLGVRRKK NAHEDVKPMS VTNLNAFEII SFSKGFDSL G MFIVKEWRNE ARFTSDKSAS
TIISKLEDVA KALNLRVRKK DNGVVKMQGR KEGRNGVLQF DIEIFEVTTT YHIIEMKQTS GDSLEYRQLL
EEGIRPALKD IVLAWHGDE

Sequence Positions

1-439, 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

50,324 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_015620143.1

NCBI GI

1002313539

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_015764837.1

NCBI GeneID

4351307

NCBI Official Full Name

CBL-interacting protein kinase 14

NCBI Official Symbol

LOC4351307

NCBI Official Synonym Symbols

PK3; CIPK14; OsCIPK14; OsJ_031406

NCBI Protein Information

CBL-interacting protein kinase 14

UniProt Gene Name

CIPK14

UniProt Protein Name

CBL-interacting protein kinase 14

UniProt Synonym Protein Names

OsCIPK14

UniProt Primary Accession

Q2QYM3

UniProt Secondary Accession

O24180; A0A0P0Y685; B7F9N0

UniProt Related Accession

Q2QYM3

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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