

CBL-interacting protein kinase 16 (CIPK16), Recombinant Protein

Cat *RP13517*

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

Full Product Name

Recombinant Oryza sativa subsp. japonica CBL-interacting protein kinase 16 (CIPK16)

Product Gene Name

CIPK16 recombinant protein

Product Synonym Gene Name

CIPK16

Purity

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

Sequence

MARRAREEEA DQVERKLVLG RYELGRLLGQ GTFKVYYGR DLRSGESVAI KVIDKARLRR TEGMVEQLRR
EISIMRMVRH PNVVGIREVL ASRARVFVVM EYARGGELFA KVARGRLTEE HARRYFQQLV AAVGFCHGRG
VAHRDLKPEN LLLDEEGRLK VTDFGLAALP EQLRQDGLLH TQCGTPAYVA PEVLRKRGYD GARADLWSCG
VVLYVLLCGF LPFQHENYAK MYQKIFKAQY QVPPWVSGDA RRLIVRLLV DPAKRISPE IMRTPWFKKG
FVPPVPTSPV SPKKWEEDDV LLDGGDSGAM SPRTCNAFQL ISSMSSGFDL SGMFESEQKA ATVFTSRAPA
ATVIQKLEAV GRSLGYSATR GKGWKLRLA TADGANGRLA VTVEALEVAA DVAVVEFAHD AGDELEFNKF
CAVDVRPGLA DIVWAWQGDR PAAPDVAAAT VECSPA

Sequence Positions

1-456, 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

50,504 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_015651262.1

NCBI GI

1002293868

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

4347071

NCBI Official Full Name

CBL-interacting protein kinase 16

NCBI Official Symbol

LOC4347071

NCBI Official Synonym Symbols

CIPK16; OsCIPK16

NCBI Protein Information

CBL-interacting protein kinase 16

UniProt Gene Name

CIPK16

UniProt Protein Name

CBL-interacting protein kinase 16

UniProt Synonym Protein Names

OsCIPK16

UniProt Primary Accession

Q6ERS4

UniProt Secondary Accession

Q0J1R5; B7E604

UniProt Related Accession

Q6ERS4

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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