

CBL-interacting protein kinase 6 (CIPK6), Recombinant Protein

Cat RP12715

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 6 (CIPK6)

Product Gene Name

CIPK6 recombinant protein

Product Synonym Gene Name

CIPK6

Purity

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

Sequence

MMAAAEEGE GKKGGGTVLQ GRYEMGRVLG HGNFGRVHVA RDLRTGRSVA VKVVAKEKVV
RAGMMEQIKR EIAVMKRVSH PNIVELHEVM ATRSKIYLAL ELVRGGELFG RIVRLGRVRE DAARHYFRQL
VSAVDFCHSR GVIYHRDLKPE NLLLDEAGNL KVVDFGLSAL ADHARADGLL HTLCGTPGYA APEVLRDKGY
DGAKADLWSC GVILYVLLAG SLPFPDDNIV TLYRKAQRGD YRCPAWLSTD ARRLIPRLLD PNPTRISVA
QLVETPWFKK TSISRPVSIE LPPAFADPAP AKEEAEKDEP ETLNAFHLS LSEGFDLSPL FEGDSAKGRR
DGGMLFATRE PASGVISRLE GVAARGGGRM RVTKSGARGV RLEGAERGGA KGRLAVAADI FSVAPSVLVV
DVKKDGGDTL EYRSFCSEEL RPALQDIVWG AADPTPTAA V

Sequence Positions

1-451, 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

48,910 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_015648513.1

NCBI GI

1002288431

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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)

XM_015793027.4
NCBI GeneID
4345687

NCBI Official Full Name

CBL-interacting protein kinase 6

NCBI Official Symbol

LOC4345687

NCBI Official Synonym Symbols

CIPK6; OsCIPK06

NCBI Protein Information

CBL-interacting protein kinase 6

UniProt Gene Name

CIPK6

UniProt Protein Name

CBL-interacting protein kinase 6

UniProt Synonym Protein Names

OsCIPK06

UniProt Primary Accession

Q6Z9F4

UniProt Secondary Accession

Q0J5E4

UniProt Related Accession

Q6Z9F4

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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