

CBL-interacting protein kinase 18 (CIPK18), Recombinant Protein

Cat *RP13498*

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 18 (CIPK18)

Product Gene Name

CIPK18 recombinant protein

Product Synonym Gene Name

CIPK18

Purity

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

Sequence

MMELEKNGNI LLRRYEIGKL LGQGTFKVVY HGRNIVTSQS VAIKVIDKDK IFKVGLMDQI KREISVMKLV
RHPNIVQLYE VMATKSKIYF VLEYVKGGL FNVKAKGRLL EDAARKYFQQ LVSAVDFCHS RGVYHRDLKP
ENLLVDENG LKIDTFGLS LAESRRQDGL LHTTCGTPAY VAPEVISRKG YDGVKVDTSW CGVILFVLMA
GYLPFQDSNL MEMYRKIGKA EFKCPAWFSS DVRKLVSRIL DPNPRSRMPI TKIMETYWFK KGLDSKLILK
NVETNEPVTA LADVNVPFSS MGSSSSKKTE EKQDAGKLTN LNAFDIISLS EGFDLSGLFE ETDKKKEARF
TSSQSASAI SKLEDVASCS KLTVKKKEGG VLKMEGASEG RKGVLDAIE IFEVTPSFHL VEIKKNGDT
LEYQHLWKED MKPALKDIVW AWQGERQDQQ PEDHGQP

Sequence Positions

1-457, 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

51,497 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_015637377.1

NCBI GI

1002266096

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

4338445

NCBI Official Full Name

CBL-interacting protein kinase 18

NCBI Official Symbol

LOC4338445

NCBI Official Synonym Symbols

CIPK18; CIPK22; OsCIPK18; OJ1005_D04.11; OJ1675_H07.18

NCBI Protein Information

CBL-interacting protein kinase 18

UniProt Gene Name

CIPK18

UniProt Protein Name

CBL-interacting protein kinase 18

UniProt Synonym Protein Names

OsCIPK18

UniProt Primary Accession

Q5W736

UniProt Related Accession

Q5W736

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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