

CBL-interacting protein kinase 10 (CIPK10), Recombinant Protein

Cat *RP13519*

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 10 (CIPK10)

Product Gene Name

CIPK10 recombinant protein

Product Synonym Gene Name

CIPK10

Purity

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

Sequence

MVEQKGNILM KRYEIGKLLG QGSFAKVYHG RNIKNSQSVA IKVIDKEKIL KCELMQDQIRR EISVMNLVRH
PCIVQLYEVM ATKTKIYFIL EYVKGGELEFN KVRGRRLKEE VARKYFQQLI SAIDFCHSRG VYHRDLKPEN
LLLDENRNLK ISDFGLSALA ECKRQDGLLH TTCGTPAYVA PEVINRKGVD GAKADWACG VILYVLLAGY
LPFQDKNVIN MYKKICKAEF KWPSWFSSDI RKLLRRILD NPATRISVSE IMEDPWFRVG LNSDLLNKTI
PTDKVDKVVH VDMDSFTGNL SNNINEGKQE AENLTSLNAF DIISLSSGFD LSAMFEDENS KEESKFTSTN
TATTITKKLE DVAKNLRLLK LKKNGLLLKM EGSKPGRKGV MSINAEIFQI TPDFHLVEFT KINGDTLEYQ
KVKQEMRPAL KDIVWAWQGE QPQPQSLNEQ S

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

51,489 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_015631478.1

NCBI GI

1002254435

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

4332786

NCBI Official Full Name

CBL-interacting protein kinase 10 isoform X1

NCBI Official Symbol

LOC4332786

NCBI Official Synonym Symbols

CIPK10; OsCIPK10

NCBI Protein Information

CBL-interacting protein kinase 10

UniProt Gene Name

CIPK10

UniProt Protein Name

CBL-interacting protein kinase 10

UniProt Synonym Protein Names

OsCIPK10

UniProt Primary Accession

Q10LQ2

UniProt Related Accession

Q10LQ2

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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