

CBL-interacting protein kinase 28 (CIPK28), Recombinant Protein

Cat RP13488

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 28 (CIPK28)

Product Gene Name

CIPK28 recombinant protein

Purity

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

Sequence

MEERSVLMER YVIGRQLGQG TFGKVYYARN LSSGQSVAIK MIDKEKILKV GLMEQIKREI SIMRLVRHPN
VLQLFEVMAT KSNIFYALEY AKGGELFHKM ARAKLNEESA RNYFQQLISA MDYCHSRGVY HRDLKPENLL
LDENETLKVS DFGLSALAES RRQDGLLHTA CGTPAYVAPE VLSRKGYS GS KADVWSCGVI LFVLVANYLP
FHDRNIQMY RKIAKAEYRC PRHFSaelKE LLYGILD PDP STRMSISRIK R SAWYRKPIA ISALNNETGK
KSCTSEAPFS GPTICISSER NQEPPNLHNL NAFDIISLST GFDLSGLFGE RYGRRESLFT SRKPAAAVLV
KLKELAKALN LKVTKT DNGV LKLATTKEGR KGRLELDAEV SEVAPFLLE LKKTNGDTLE YQRMMKEDIR
PSLKDIW TW QGDQQ

Sequence Positions

1-435, 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

49,331 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_015637329.1

NCBI GI

1002266000

NCBI GenBank Nucleotide

XM_015781843.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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107277347 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

CBL-interacting protein kinase 28

NCBI Official Symbol

LOC107277347

NCBI Official Synonym Symbols

CIPK28; OsCIPK28; OsJ_018151

NCBI Protein Information

CBL-interacting protein kinase 28

UniProt Gene Name

CIPK28

UniProt Protein Name

CBL-interacting protein kinase 28

UniProt Synonym Protein Names

OsCIPK28

UniProt Primary Accession

A3B529

UniProt Secondary Accession

A0A0P0WNN7

UniProt Related Accession

A3B529

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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