

# Cysteine-rich receptor-like protein kinase 10 (CRK10), Recombinant Protein

Cat RP05089

Size 0.5 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (Yeast)/ 0.05 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)

## Species

Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Cysteine-rich receptor-like protein kinase 10 (CRK10), partial

## Product Gene Name

CRK10 recombinant protein

## Product Synonym Gene Name

CRK10

## Purity

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

## Sequence

QDPTYV YHTCQNTANY TSNSTYNNNL KTLASLSSR NASYSTGFQN ATVGQAPDRV TGLFNCRGDV  
STEVCRRCVS FAVNDTLTRC PNQKEATLYY DECVLRYSNQ NILSTLITTG GVILVNTRNV TSNQLDLLSD  
LVLPTLNQAA TVALNSSKKF GTRKNNFTAL QSFYGLVQCT PDLTRQDCSR CLQLVINQIP TDRIGARIIN  
PSCTSRYEII AFYTESAVPP PPPPPSISTP PVSAPPRSGK DGNSK

## Sequence Positions

35-285

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

72,955 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

Cysteine-rich receptor-like protein kinase

## NCBI Accession #

NP\_567679.2

## NCBI GI #

30686087

## NCBI GenBank Nucleotide #

NM\_118447.3

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Size      0.5 mg (*E-Coli*)/ 0.05 mg (*Baculovirus*)/ 0.5 mg (*Yeast*) / 0.05 mg (*Mammalian-Cell*) / 1 mg (*E-Coli*) / 0.1 mg (*Baculovirus*) / 1 mg (*Yeast*) / 0.1 mg (*Mammalian-Cell*)

## NCBI GeneID

828417

## NCBI Official Full Name

cysteine-rich RLK (RECEPTOR-like protein kinase) 10

## NCBI Official Symbol

CRK10

## NCBI Official Synonym Symbols

cysteine-rich RLK (RECEPTOR-like protein kinase) 10; F21P8.70; F21P8\_70; RLK4

## NCBI Protein Information

cysteine-rich RLK (RECEPTOR-like protein kinase) 10

## NCBI Summary

Encodes a receptor-like protein kinase. Naming convention from Chen et al 2003 (PMID 14756307)

## UniProt Gene Name

CRK10

## UniProt Synonym Gene Names

RLK4; Cysteine-rich RLK10

## UniProt Protein Name

Cysteine-rich receptor-like protein kinase 10

## UniProt Synonym Protein Names

Receptor-like protein kinase 4

## UniProt Primary Accession #

Q8GYA4

## UniProt Secondary Accession #

O65470; Q8H785; Q9C5T0

## UniProt Related Accession #

Q8GYA4

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