Cysteine-rich receptor-like protein kinase 13 (CRK13), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05169*

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 13 (CRK13), partial

Product Gene Name
CRK13 recombinant protein

Product Synonym Gene Name
CRK13

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

Sequence
QTCIEN RKYFTPNGTY DSNRRLILSS LPNNTASRDG FYYGSIGEEQ DRVYALGMCI PKSTPSDCSN CIKGAAGWLI QDCVNQTDAY YWALDPTLCL VRYSNISFSG SAAFWEIEPQ YLVLNTATIA SNLTEFKTIW EDLTSRTITA ASAARSTPSS SDNHYRVDFA NLTKFQNIYA LMQCTPDISS DECNNCLQRG VLEYQSCCGN NTGGYVMRPI CFFRWQLFTF SKAFHNITLA TTPPLSPPPL QRPVVASQPP SADNRDKKRD NSSGKISMK

Sequence Positions
25-299

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
68,201 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Cysteine-rich receptor-like protein kinase

NCBI Accession
NP_001078435.1

NCBI GI
145333847

NCBI GenBank Nucleotide
NM_001084966.2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID
828420

NCBI Official Full Name
cysteine-rich RLK (RECEPTOR-like protein kinase) 13

NCBI Official Symbol
CRK13

NCBI Official Synonym Symbols
cysteine-rich RLK (RECEPTOR-like protein kinase) 13; F21P8.100; F21P8_100; HIG1; HIGH INDOLIC GLUCOSINOLATE 1

NCBI Protein Information
cysteine-rich RLK (RECEPTOR-like protein kinase) 13

NCBI Summary
Encodes a Cysteine-rich receptor-like kinase (CRK13). Overexpression of CRK13 leads to hypersensitive response cell death, and induces defense against pathogens by causing increased accumulation of salicylic acid.

UniProt Gene Name
CRK13

UniProt Synonym Gene Names
Cysteine-rich RLK13

UniProt Protein Name
Cysteine-rich receptor-like protein kinase 13

UniProt Primary Accession
Q0PW40

UniProt Secondary Accession
O65473; Q8H0Y5; Q8H1R8

UniProt Related Accession
Q0PW40

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