

Ethylene-responsive transcription factor CRF3 (CRF3), Recombinant Protein

Cat *RP01343*

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*

Species *mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Ethylene-responsive transcription factor CRF3 (CRF3)

Product Gene Name

CRF3 recombinant protein

Product Synonym Gene Name

CRF3

Purity

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

Sequence

MDEYIDFRPL KYTEHKTSMT KYTKKSSEKL SGGKSLKKVS ICYTDPDATD SSSDEDEEDF LFPRRRVKRF
VNEITVEPSC NNVVTGVSMK DRKRLSSSSD ETQSPASSRQ RPNNKVSVSG QIKKFRGVRQ RPWGKWAAEI
RDPEQRRRIW LGTFETAEEA AVVYDAAAIR LRGPDALTNF SIPPQEEEEEE EEPEPVIEEK PVIMTTPTPT
TSSSESTEED LQHLSSPTSV LNHRSEEIQQ VQQPFKSAKP EPGVSNAPWW HTGFNTGLGE SDDSFPLDTP
FLDNYFNESP PEMSIFDQPM DQIFCENDDI FNDMLFLGGE TMNIEDELTS SSIKDMGSTF SDFDDSLISD LLVA

Sequence Positions

1-354, 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

40,100 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

Ethylene-responsive transcription factor

NCBI Accession

NP_200141.1

NCBI GI

15238705

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GeneID
835410

NCBI Official Full Name

cytokinin response factor 3

NCBI Official Symbol

CRF3

NCBI Official Synonym Symbols

cytokinin response factor 3; K19E1.9; K19E1_9

NCBI Protein Information

cytokinin response factor 3

NCBI Summary

encodes a member of the ERF (ethylene response factor) subfamily B-5 of ERF/AP2 transcription factor family. The protein contains one AP2 domain. There are 7 members in this subfamily.

UniProt Gene Name

CRF3

UniProt Synonym Gene Names

ERF065

UniProt Protein Name

Ethylene-responsive transcription factor CRF3

UniProt Synonym Protein Names

Protein CYTOKININ RESPONSE FACTOR 3

UniProt Primary Accession

Q9FK12

UniProt Related Accession

Q9FK12

UniProt Comments

Component of the cytokinin signaling pathway involved in cotyledons, leaves, and embryos development. Probably acts as a transcriptional activator. Binds to the GCC-box pathogenesis-related promoter element. May be involved in the regulation of gene expression by stress factors and by components of stress signal transduction pathways .

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