

Ethylene-responsive transcription factor 1A (ERF1A), Recombinant Protein

Cat RP04614

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)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Ethylene-responsive transcription factor 1A (ERF1A)

Product Gene Name

ERF1A recombinant protein

Purity

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

Sequence

MSMTADSQSD YAFLESIRRH LLGESEPILS ESTASSVTQS CVTGQSIKPV YGRNPSFSKL YPCFTESWGD
LPLKENSED MLVYGILNDA FHGGWEPSSS SSDEDRSSFP SVKIETPESF AAVDSVPVKK EKTSPVSAAV
TAAKGKHYRG VRQRPWGKFA AEIRDPKNG ARVWLGTFT AEDAALAYDR AAFMRGSRLLNFPLRVNS
GEPDPVRIKS KRSSFSSSNE NGAPKKRRTV AAGGMDKGL TVKCEVVEVA RGDRLVL

Sequence Positions

1-268, 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

29,190 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_567530.4

NCBI GI

240255975

NCBI GenBank Nucleotide

NM_117855.6

NCBI GeneID

827464

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
ethylene responsive element binding factor 1

NCBI Official Full Name

NCBI Official Symbol

ERF-1

NCBI Official Synonym Symbols

AtERF#100; ATERF-1; DL4785W; ERF1A; ethylene responsive element binding factor 1; FCAALL.123

NCBI Protein Information

ethylene responsive element binding factor 1

NCBI Summary

Encodes a member of the ERF (ethylene response factor) subfamily B-3 of ERF/AP2 transcription factor family (ATERF-1). The protein contains one AP2 domain. There are 18 members in this subfamily including ATERF-1, ATERF-2, AND ATERF-5.

UniProt Gene Name

ERF1A

UniProt Synonym Gene Names

ERF-1; ERF100; AtERF1A; EREBP-1A

UniProt Protein Name

Ethylene-responsive transcription factor 1A

UniProt Synonym Protein Names

Ethylene-responsive element-binding factor 1A; EREBP-1A

UniProt Primary Accession

O80337

UniProt Secondary Accession

Q93Z36; Q9SUK1

UniProt Related Accession

O80337

UniProt Comments

Acts as a transcriptional activator. Binds to the GCC-box pathogenesis-related promoter element. Involved in the regulation of gene expression by stress factors and by components of stress signal transduction pathways.

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