

Ethylene-responsive transcription factor 6 (ERF6), Recombinant Protein

Cat RP01949

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 6 (ERF6)

Product Gene Name

ERF6 recombinant protein

Product Synonym Gene Name

ERF6

Purity

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

Sequence

MATPNEVSAL FLIKKYLLDE LSPLPTTATT NRWMNDFTSF DQTGFEFSEF ETKPEIIDLV TPKPEIFDFD
VKSEIPSESN DSFTFQSNPP RVTVQSNRKP PLKIAPPNRT KWIQFATGNP KPPLPVPVVA AEEKRHYRGV
RMRPWGKFAA EIRDPTRRGT RVWLGTFFETA IEAARAYDKE AFRLRGSKAI LNFPLEVDKW NPRAEDGRGL
YNKRKRGDGEE EEVTVVEKVL KTEESYDVSG GENVESGLTA IDDWDLTEFL SMPLLSPLSP HPPFGYPQLT VV

Sequence Positions

1-282, 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

32,108 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_567529.1

NCBI GI

18414895

NCBI GenBank Nucleotide

NM_117854.3

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*)

NCBI GeneID

827463

NCBI Official Full Name

ethylene responsive element binding factor 6

NCBI Official Symbol

ERF6

NCBI Official Synonym Symbols

ATERF6; DL4780C; ERF-6-6; ethylene responsive element binding factor 6; FCAALL.120

NCBI Protein Information

ethylene responsive element binding factor 6

NCBI Summary

Encodes a member of the ERF (ethylene response factor) subfamily B-3 of ERF/AP2 transcription factor family (ATERF-6). The protein contains one AP2 domain. There are 18 members in this subfamily including ATERF-1, ATERF-2, AND ATERF-5. It is involved in the response to reactive oxygen species and light stress.

UniProt Gene Name

ERF6

UniProt Synonym Gene Names

ERF-6; ERF103; AtERF6; EREBP-6

UniProt Protein Name

Ethylene-responsive transcription factor 6

UniProt Synonym Protein Names

Ethylene-responsive element-binding factor 6; EREBP-6

UniProt Primary Accession

Q8VZ91

UniProt Secondary Accession

O23591; O80387

UniProt Related Accession

Q8VZ91

UniProt Comments

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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