

Ethylene-responsive transcription factor 8 (ERF8), Recombinant Protein

Cat RP02029

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 8 (ERF8)

Product Gene Name

ERF8 recombinant protein

Product Synonym Gene Name

ERF8

Purity

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

Sequence

MPNITMGLKP DPVAPTNPHT HESNAAKEIR YRGVRKRPWG RYAAEIRDPV KKTRVWLGT DTAQQAARAY
DAAARDFRGV KAKTNFGVIV GSSPTQSSTV VDSPTAARFI TPPHLELSLG GGGACRRKIP LVHPVYYYNM
ATYPKMTTCG VQSESETSSV VDFEGGAGKI SPPLDLNL APPAE

Sequence Positions

1-185, 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

20,025 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_175725.1

NCBI GI

15219215

NCBI GenBank Nucleotide

NM_104196.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Ethylene-responsive transcription factor 8 (ERF8), Recombinant Protein

Cat RP02029

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

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

NCBI GeneID

841751

NCBI Official Full Name

ethylene response factor 8

NCBI Official Symbol

ERF8

NCBI Official Synonym Symbols

ATERF-8; ATERF8; ERF TRANSCRIPTION FACTOR8; ETHYLENE RESPONSE ELEMENT BINDING FACTOR 4; ethylene response factor 8; F8L10.19

NCBI Protein Information

ethylene response factor 8

NCBI Summary

encodes a member of the ERF (ethylene response factor) subfamily B-1 of ERF/AP2 transcription factor family (ATERF-8). The protein contains one AP2 domain. There are 15 members in this subfamily including ATERF-3, ATERF-4, ATERF-7, and leafy petiole.

UniProt Gene Name

ERF8

UniProt Synonym Gene Names

ERF-8; ERF079; AtERF8; EREBP-8

UniProt Protein Name

Ethylene-responsive transcription factor 8

UniProt Synonym Protein Names

Ethylene-responsive element-binding factor 8; EREBP-8

UniProt Primary Accession

Q9MAI5

UniProt Related Accession

Q9MAI5

UniProt Comments

Involved in the regulation of gene expression by stress factors and by components of stress signal transduction pathways. Transcription factor that binds to the GCC-box pathogenesis-related promoter element. Acts as a transcriptional inhibitor and may regulate other AtERFs .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY