

Ethylene-responsive transcription factor 15 (ERF15), Recombinant Protein

Cat RP05431

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 15 (ERF15)

Product Gene Name

ERF15 recombinant protein

Product Synonym Gene Name

ERF15

Purity

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

Sequence

MEYSQSSMYS SPSSWSSSQE SLLWNESCFL DQSSEPQAFF CPNYDYSDDF FSFESPEMMI KEEIQNGDVS
NSEEEKVG I DEERSYRGVR KRPWGKFAAE IRDSTRNGIR VWLGTDFKAE EAALAYDQAA FATKGSLATL
NFPVEVVRES LKKMENVNLH DGGSPVMALK RKHSLNRPR GKRRSSSSSS SSSNSSSCSS SSSTSSTSR
SSKQSVVKQE SGTLLVFEDL GAELYEQLLM SSC

Sequence Positions

1-243, 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

27,056 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_850162.1

NCBI GI

30684878

NCBI GenBank Nucleotide

NM_179831.2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

817680

NCBI Official Full Name

ethylene-responsive element binding factor 15

NCBI Official Symbol

ERF15

NCBI Official Synonym Symbols

ATERF15; ethylene-responsive element binding factor 15; F16D14.7; F16D14_7

NCBI Protein Information

ethylene-responsive element binding factor 15

NCBI Summary

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

UniProt Gene Name

ERF15

UniProt Synonym Gene Names

ERF-15; ERF093; ATERF15; EREBP-15

UniProt Protein Name

Ethylene-responsive transcription factor 15

UniProt Synonym Protein Names

Ethylene-responsive element-binding factor 15; EREBP-15

UniProt Primary Accession

Q8VYM0

UniProt Secondary Accession

Q9SJX3

UniProt Related Accession

Q8VYM0

UniProt Comments

May act 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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