Protein ETHYLENE INSENSITIVE 3 (EIN3), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP01342*

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 Protein ETHYLENE INSENSITIVE 3 (EIN3) , partial

Product Gene Name
EIN3 recombinant protein

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

Sequence
TPHTLQELQD TTLGSLLSAL MQHCDPPQRR FPLEKGVPPP WWPNGKEDWW PQLGLPKDQG PAPYKKPHDL KKAWKVGVLT AVIKHMFPDI AKIRKLVRQS KCLQDKMTAK ESATWLAIIN QEESLARELY PES

Sequence Positions
174-306aa; Partial(DNA-binding domain)

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
71,421 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Protein ETHYLENE INSENSITIVE

NCBI Accession
NP_188713.1

NCBI GI
15232362

NCBI GenBank Nucleotide
NM_112968.4

NCBI GeneID
821625

NCBI Official Full Name
Ethylene insensitive 3 family protein

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NCBI Official Symbol
EIN3

NCBI Official Synonym Symbols
AtEIN3; ETHYLENE-INSENSITIVE3

NCBI Protein Information
Ethylene insensitive 3 family protein

NCBI Summary
Encodes EIN3 (ethylene-insensitive3), a nuclear transcription factor that initiates downstream transcriptional cascades for ethylene responses.

UniProt Gene Name
EIN3

UniProt Protein Name
Protein ETHYLENE INSENSITIVE 3

UniProt Primary Accession
O24606

UniProt Secondary Accession
Q8VYW4

UniProt Related Accession
O24606

UniProt Comments
Probable transcription factor acting as a positive regulator in the ethylene response pathway. Is required for ethylene responsiveness in adult plant tissues. Binds a primary ethylene response element present in the ETHYLENE-RESPONSE-FACTOR1 promoter with consequence to activate the transcription of this gene.

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