

Ethylene-responsive transcription factor SHINE 2 (SHN2), Recombinant Protein

Cat *RP01966*

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 SHINE 2 (SHN2)

Product Gene Name

SHN2 recombinant protein

Product Synonym Gene Name

SHN2

Purity

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

Sequence

MVHSRKFRGV RQRQWGSWVS EIRHPLLKRR VWLGTFFETAE AAARAYDQAA LLMNGQNAKT NFPVVKSEEG
SDHVKDVNSP LMSPKSLSEL LNAKLRKSKC DLTPSLTCLR LDTDSSHIGV WQKRAGSKTS PTWVMRLELG
NVVNESAVDL GLTTMNKQNV EKEEEEEEEAI ISDEDQLAME MIEELLNWS

Sequence Positions

1-189, 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

21,409 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_196680.1

NCBI GI

15238976

NCBI GenBank Nucleotide

NM_121157.2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

830989

NCBI Official Full Name

Integrase-type DNA-binding superfamily protein

NCBI Official Symbol

SHN2

NCBI Official Synonym Symbols

F2I11.80; F2I11_80; shine2; shine3

NCBI Protein Information

Integrase-type DNA-binding superfamily protein

NCBI Summary

encodes a member of the ERF (ethylene response factor) subfamily B-6 of ERF/AP2 transcription factor family. The protein contains one AP2 domain. There are 12 members in this subfamily including RAP2.11.

UniProt Gene Name

SHN2

UniProt Synonym Gene Names

ERF004

UniProt Protein Name

Ethylene-responsive transcription factor SHINE 2

UniProt Primary Accession

Q9LFN7

UniProt Related Accession

Q9LFN7

UniProt Comments

Promotes cuticle formation by inducing the expression of enzymes involved in wax biosynthesis. 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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