

Heat stress transcription factor A-9 (HSFA9), Recombinant Protein

Cat RP05497

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 Heat stress transcription factor A-9 (HSFA9)

Product Gene Name

HSFA9 recombinant protein

Product Synonym Gene Name

HSFA9

Purity

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

Sequence

MTAIPNVVDI ESSSSSLCQE TATETVTVR GSSDSSSKPD DVVLLIKEEE DDAVNLSLGF WKLHEIGLIT
PFLRKTFEIV DDKVTDPVVS WSPTRKSFII WDSYEFSENLPKYFKHKNF SSFIRQLNSY GFKKVDSRW
EFANEGFQGG KKHLLKNIKR RSKNTKCCNK EASTTTTETE VESLKEEQSP MRLEMLKLKQ QQEESQHQMV
TVQEKIHGVD TEQQHMLSFF AKLAKDQRFV ERLVKKRKMK IQRELEAAEF VKKLKLLQDQ ETQKNLLDVE
REFMAMAATE HNPEPDILVN NQSGNTRCQL NSEDLLVDGG SMDVNGRIE E

Sequence Positions

1-331, 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

38,146 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

Heat stress transcription factor

NCBI Accession

NP_200218.1

NCBI GI

15239544

NCBI GenBank Nucleotide

NM_124786.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

835493

NCBI Official Full Name

heat shock transcription factor A9

NCBI Official Symbol

HSFA9

NCBI Official Synonym Symbols

ARABIDOPSIS THALIANA HEAT SHOCK TRANSCRIPTION FACTOR A9; ARABIDOPSIS THALIANA HEAT SHOCK TRANSCRIPTION FACTOR A9; AT-HSFA9; heat shock transcription factor A9; heat shock transcription factor A9; MJP23.4; MJP23_4

NCBI Protein Information

heat shock transcription factor A9

NCBI Summary

A member of Heat Stress Transcription Factor (Hsf) family. Not responding to heat stress. Is regulated by the seed-specific transcription factor ABI3. In turn, it regulates other heat stress proteins including Hsp17.4-Cl, Hsp17.7-CII and Hsp101 during seed maturation.

UniProt Gene Name

HSFA9

UniProt Synonym Gene Names

HSF21; AtHsfA9

UniProt Protein Name

Heat stress transcription factor A-9

UniProt Synonym Protein Names

AtHsf-21

UniProt Primary Accession

Q9LVW2

UniProt Related Accession

Q9LVW2

UniProt Comments

Seed-specific transcriptional regulator that specifically binds DNA sequence 5'-AGAAAnnTTCT-3' known as heat shock promoter elements (HSE). Seems to be specialized for the developmental expression of heat shock protein (HSP) genes during seed maturation. Activated by ABI3.

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