Multiprotein-Bridging Factor 1c (MBF1C) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Multiprotein-bridging factor 1c (MBF1C), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Multiprotein-bridging factor 1c (MBF1C)
Product Gene Name	MBF1C recombinant protein
Product Synonym Gene Name	MBF1C
Sequence	MPSRYPGAVT QDWEPVVLHK SKQKSQDLRD PKAVNAALRN GVAVQTVKKF DAGSNKKGKS TAVPVINTKK LEEETEPAAM DRVKAEVRLM IQKARLEKKM SQADLAKQIN ERTQVVQEYE NGKAVPNQAV LAKMEKVLGV KLRGKIGK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	16,403 Da
Sequence Positions	1-148, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9LV58
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MBF1C recombinant protein	MBS1281384 is a recombinant protein targeting MBF1C. Also known as Recombinant Arabidopsis thaliana Multiprotein-bridging factor 1c (MBF1C). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MBF1C recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MBF1C. It may not necessarily be applicable to this product.

NCBI GI #	15230125
NCBI GeneID	822041
NCBI Accession #	NP_189093.1
UniProt Primary Accession #	Q9LV58
UniProt Secondary Accession #	Q8LE67
UniProt Related Accession #	Q9LV58

GenBank Nucleotide #	NM_113358.3
NCBI Official Full Name	multiprotein bridging factor 1C
NCBI Official Symbol	MBF1C
NCBI Official Synonym Symbols	ATMBF1C; MOB24.13; multiprotein bridging factor 1C
UniProt Protein Name	Multiprotein-bridging factor 1c
Protein Family	Multiprotein-bridging factor
UniProt Gene Name	MBF1C
NCBI Protein Information	multiprotein bridging factor 1C
NCBI Summary for MBF1C	One of three genes in A. thaliana encoding multiprotein bridging factor 1, a highly conserved transcriptional coactivator. May serve as a bridging factor between a bZIP factor and TBP. Its expression is specifically elevated in response to pathogen infection, salinity, drought, heat, hydrogen peroxide, and application of abscisic acid or salicylic acid. Constitutive expression enhances the tolerance of transgenic plants to various biotic and abiotic stresses.
UniProt Comments for MBF1C	Transcriptional coactivator that stimulates transcriptional activity by bridging regulatory proteins and TBP, thereby recruiting TBP to promoters occupied by DNA-binding regulators. Involved in the tolerance to heat and osmotic stress by partially activating the ethylene-response signal transduction pathway.
Research Articles on MBF1C	**1.** MBF1c functions as a transcriptional regulator which binds DNA and controls the expression of 36 different transcripts during heat stress, including the DRE-binding protein 2A, two heat shock transcription factors, and several zinc finger proteins.
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