Putative Dehydration-Responsive Element-Binding Protein 2h (DREB2H) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative dehydration-responsive element-binding protein 2H (DREB2H), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Putative dehydration-responsive element-binding protein 2H (DREB2H)
Product Gene Name	DREB2H recombinant protein
Product Synonym Gene Name	DREB2H
Sequence	MPRKRKSRGT RDVAEILRKW REYNEQTEAD SCIDGGGSKP IRKAPPKRSR KGCMKGKGGP ENGICDYTGV RQRTWGKWVA EIREPGRGAK LWLGTFSSSY EAALAYDEAS KAIYGQSARL NLPLLPLCQA RLLHFLMNLK FVHVRIQMQD LVLVRSD
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	17,792 Da
Sequence Positions	1-157, 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 Q9SIZ0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DREB2H recombinant protein	MBS1348779 is a recombinant protein targeting DREB2H. Also known as Recombinant Arabidopsis thaliana Putative dehydration-responsive element-binding protein 2H (DREB2H). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DREB2H 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 DREB2H. It may not necessarily be applicable to this product.

NCBI GI #	79572107
NCBI GeneID	818628
NCBI Accession #	NP_181566.2
UniProt Primary Accession #	Q9SIZ0

UniProt Secondary Accession #	Q6J9N4
UniProt Related Accession #	Q9SIZ0
GenBank Nucleotide #	NM_129595.3
NCBI Official Full Name	Integrase-type DNA-binding superfamily protein
NCBI Official Symbol	AT2G40350
NCBI Official Synonym Symbols	T3G21.12; T3G21_12
UniProt Protein Name	Putative dehydration-responsive element-binding protein 2H
Protein Family	Putative dehydration-responsive element-binding protein
UniProt Gene Name	DREB2H
UniProt Synonym Gene Names	ERF047; Protein DREB2H
NCBI Protein Information	Integrase-type DNA-binding superfamily protein
NCBI Summary for DREB2H	encodes a member of the DREB subfamily A-2 of ERF/AP2 transcription factor family. The protein contains one AP2 domain. There are eight members in this subfamily including DREB2A AND DREB2B that are involved in response to drought.
UniProt Comments for DREB2H	Putative transcriptional activator that binds specifically to the DNA sequence 5'-[AG]CCGAC-3'.
Research Articles on DREB2H	**1.** A trans activator involved in cold acclimatization.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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