Ethylene-Responsive Transcription Factor ABR1 (ABR1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ethylene-responsive transcription factor ABR1 (ABR1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Ethylene-responsive transcription factor ABR1 (ABR1)
Product Gene Name	ABR1 recombinant protein
Product Synonym Gene Name	ABR1
Sequence	MCVLKVANQE DNVGKKAESI RDDDHRTLSE IDQWLYLFAA EDDHHRHSFP TQQPPPSSSS SSLISGFSRE MEMSAIVSAL THVVAGNVPQ HQQGGGEGSG EGTSNSSSSS GQKRRREVEE GGAKAVKAAN TLTVDQYFSG GSSTSKVREA SSNMSGPGPT YEYTTTATAS SETSSFSGDQ PRRRYRGVRQ RPWGKWAAEI RDPFKAARVW LGTFDNAESA ARAYDEAALR FRGNKAKLNF PENVKLVRPA STEAQPVHQT AAQRPTQSRN SGSTTTLLPI RPASNQSVHS QPLMQSYNLS YSEMARQQQQ FQQHHQQSLD LYDQMSFPLR FGHTGGSMMQ STSSSSSHSR PLFSPAAVQP PPESASETGY LQDIQWPSDK TSNNYNNSPS S
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	42,814 Da
Sequence Positions	1-391, 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 Q9FGF8
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ABR1 recombinant protein	MBS1422601 is a recombinant protein targeting ABR1. Also known as Recombinant Arabidopsis thaliana Ethylene-responsive transcription factor ABR1 (ABR1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ABR1 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 ABR1. It may not necessarily be applicable to this product.

NCBI GI #	15238232
NCBI GeneID	836596
NCBI Accession #	NP_201280.1

UniProt Primary Accession #	Q9FGF8
UniProt Related Accession #	Q9FGF8
GenBank Nucleotide #	NM_125871.5
NCBI Official Full Name	Integrase-type DNA-binding superfamily protein
NCBI Official Symbol	ABR1
NCBI Official Synonym Symbols	ABA REPRESSOR1; MVP7.8; MVP7_8
UniProt Protein Name	Ethylene-responsive transcription factor ABR1
UniProt Synonym Protein Names	Protein ABA REPRESSOR 1
Protein Family	Ethylene-responsive transcription factor
UniProt Gene Name	ABR1
UniProt Synonym Gene Names	ERF111
NCBI Protein Information	Integrase-type DNA-binding superfamily protein
NCBI Summary for ABR1	Encodes a putative transcription factor containing an AP2 domain. Is a member of the ERF (ethylene response factor) subfamily B-4 of ERF/AP2 transcription factor family. Expressed in response to ABA, osmotic stress, sugar stress and drought. Mutants are hypersensitive to these stresses. May be involved in regulation of ABA mediated stress response.
UniProt Comments for ABR1	Negative regulator of the abscisic acid (ABA) signaling pathway involved in seed germination and in responses to stress conditions. 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 ().
Research Articles on ABR1	**1.** AP2-like ABA repressor 1 (ABR1) gene functions as a negative regulator of ABA responses. [ABR1]
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