Transcription Factor Bhlh109 (BHLH109) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription factor bHLH109 (BHLH109), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Transcription factor bHLH109 (BHLH109)
Product Gene Name	BHLH109 recombinant protein
Product Synonym Gene Name	BHLH109
Sequence	MERNNRNEGT HEEEQCSLSD IIYSFCSENH SELNPLQEIF GVTKNNDHEK HDEEPDEESY RMAKRQRSME YRMMMEKKRR KEIKDKVDIL QGLMPNHCTK PDLASKLENI IEYIKSLKYQ VDVMSMAYTT TPVYTPPFYA AAQAPCMSPW GYYTPGVPMM PQQNMTYIPQ YPQVYGTVPP NQTQP
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	22,505 Da
Sequence Positions	1-185, 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 Q5XVH0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BHLH109 recombinant protein	MBS1352523 is a recombinant protein targeting BHLH109. Also known as Recombinant Arabidopsis thaliana Transcription factor bHLH109 (BHLH109). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BHLH109 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 BHLH109. It may not necessarily be applicable to this product.

NCBI GI #	79320892
NCBI GeneID	843153
NCBI Accession #	NP_001031251.1
UniProt Primary Accession #	Q5XVH0
UniProt Secondary Accession #	Q5XVH1; Q7XHI8; Q9C9F9

UniProt Related Accession #	Q5XVH0
GenBank Nucleotide #	NM_001036174.2
NCBI Official Full Name	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
NCBI Official Symbol	AT1G68240
NCBI Official Synonym Symbols	T22E19.13; T22E19_13
UniProt Protein Name	Transcription factor bHLH109
UniProt Synonym Protein Names	Basic helix-loop-helix protein 109; AtbHLH109; bHLH 109; bHLH transcription factor bHLH109
Protein Family	Transcription factor
UniProt Gene Name	BHLH109
UniProt Synonym Gene Names	AtbHLH109; bHLH 109
NCBI Protein Information	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
UniProt Comments for BHLH109	Transcription factor involved in somatic embryogenesis. Acts as positive regulator of somatic embryo formation (PubMed:23874927, PubMed:26973252). Acts as positive regulator of ECP63 by targeting its promoter and inducing its expression (PubMed:26973252).
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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