SNF1-Related Protein Kinase Regulatory Subunit Gamma-Like Pv42b (PV42B) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	SNF1-related protein kinase regulatory subunit gamma-like PV42b (PV42B), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana SNF1-related protein kinase regulatory subunit gamma-like PV42b (PV42B)
Product Gene Name	PV42B recombinant protein
Product Synonym Gene Name	PV42B
Sequence	MQSYSRLMQF KVKDLMIDKR RLVEVPDNAT LGDALNTMVA NRVRAVPVAA KPGQWLGAGG SMIVELDKQS GSARKQYIGM VTMLDVVAHI AGDDGESGLD KKMAAPVSSI IGHCPEGLSL WSLNPNTSIM DCMEMLSKGI HRVLVPLDSN TENITGPELV ESASAYAMLS QMDLISFFFD QSSQLHGILS HTVTDLSAIH NTVLALTSQA RVKDAIQCMS IAMLNAVPIV EASGEGEDHK QLVDGKNRRV VGTFSASDLK GCHLATLRSW LPLNALEFVE KIPRTLLFTA ATSTPGRELV TCHVTSTLAQ VIHMVTTKRV HRVWVVDQNG GLQGLVSLTD IIAVVRSALL SGAPDLF
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	38,525 Da
Sequence Positions	1-357, 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 Q8GXI9
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PV42B recombinant protein	MBS1397304 is a recombinant protein targeting PV42B. Also known as Recombinant Arabidopsis thaliana SNF1-related protein kinase regulatory subunit gamma-like PV42b (PV42B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PV42B 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 PV42B. It may not necessarily be applicable to this product.

NCBI GI #	1063678323
NCBI GeneID	844349
NCBI Accession #	NP_001319425.1

UniProt Primary Accession #	Q8GXI9
UniProt Secondary Accession #	Q9SSD0; F4HS24
UniProt Related Accession #	Q8GXI9
GenBank Nucleotide #	NM_001334956.1
NCBI Official Full Name	Cystathionine beta-synthase (CBS) family protein
NCBI Official Symbol	CBSX4
NCBI Official Synonym Symbols	CBS domain containing protein 4; F18B13.17; F18B13_17
UniProt Protein Name	SNF1-related protein kinase regulatory subunit gamma-like PV42b
UniProt Synonym Protein Names	AKIN subunit gamma-like PV42b; CBS domain-containing protein CBSX4
Protein Family	SNF1-related protein kinase regulatory
UniProt Gene Name	PV42B
UniProt Synonym Gene Names	CBSX4; AtPV42b
NCBI Protein Information	Cystathionine beta-synthase (CBS) family protein
UniProt Comments for PV42B	Plays redundant role with PV42a in regulating male gametogenesis and pollen tube guidance.
Research Articles on PV42B	**1.** In order to understand the characteristics of plant CBS domain-containing proteins, structural study of the cystathionine beta-synthase domain-containing protein CDCP2 has been initiated.
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