Serine/Threonine-Protein Phosphatase 2a 65 Kda Regulatory Subunit A Beta Isoform (PP2AA2) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform (PP2AA2), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform (PP2AA2) , partial
Product Gene Name	PP2AA2 recombinant protein
Product Synonym Gene Name	PP2AA2
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	65,598 Da
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 Q38950
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PP2AA2 recombinant protein	MBS1393810 is a recombinant protein targeting PP2AA2. Also known as Recombinant Arabidopsis thaliana Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform (PP2AA2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PP2AA2 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 PP2AA2. It may not necessarily be applicable to this product.

NCBI GI #	1063713739
NCBI GeneID	822171
NCBI Accession #	NP_001326959.1
UniProt Primary Accession #	Q38950
UniProt Secondary Accession #	Q9LRZ9
UniProt Related Accession #	Q38950

GenBank Nucleotide #	NM_001338767.1
NCBI Official Full Name	protein phosphatase 2A subunit A2
NCBI Official Symbol	PP2AA2
NCBI Official Synonym Symbols	PDF1; PHOSPHATASE 2A REGULATORY SUBUNIT; PR 65; protein phosphatase 2A subunit A2; protein phosphatase 2A subunit A2
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PP2AA2
UniProt Synonym Gene Names	DF1; AtA beta; PP2A, subunit A, beta isoform
NCBI Protein Information	protein phosphatase 2A subunit A2
NCBI Summary for PP2AA2	one of three genes encoding the protein phosphatase 2A regulatory subunit
UniProt Comments for PP2AA2	The A subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. Involved during developmental process such as seedling and floral developments. Seems to act as a negative regulator of PP2A catalytic activity. Associates with the serine/threonine-protein phosphatase PP2A catalytic subunit C and regulatory subunit B' to positively regulates beta-oxidation of fatty acids and protoauxins in peroxisomes by dephosphorylating peroxisomal beta-oxidation-related proteins (PubMed:25489022).
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