Probable Calcium-Binding Protein CML36 (CML36) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable calcium-binding protein CML36 (CML36), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable calcium-binding protein CML36 (CML36)
Product Gene Name	CML36 recombinant protein
Product Synonym Gene Name	CML36
Sequence	MKLAKLIPKR FFIRSKDRST VSKSPTAFSF GSASSSSGQD CKNSGGDGGG GSVTPTSILP EVPSPYSYVE ILQAFKLIDR DNDGAVSRHD LESLLSRLGP DPLTEEEINV MLKEVDCDGD GTIRLEELAS RVVSLDPARD STELKETFEF FDADRDGLIS ADELLRVFST IGDERCTLDD CKRMIADVDE DGDGFVCFTE FSRMMDLQR
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	22,998 Da
Sequence Positions	1-209, 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 Q9SS31
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CML36 recombinant protein	MBS1459852 is a recombinant protein targeting CML36. Also known as Recombinant Arabidopsis thaliana Probable calcium-binding protein CML36 (CML36). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CML36 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 CML36. It may not necessarily be applicable to this product.

NCBI GI #	15228219
NCBI GeneID	820181
NCBI Accession #	NP_187630.1
UniProt Primary Accession #	Q9SS31
UniProt Related Accession #	Q9SS31

GenBank Nucleotide #	NM_111854.5
NCBI Official Full Name	Calcium-binding EF-hand family protein
NCBI Official Symbol	AT3G10190
UniProt Protein Name	Probable calcium-binding protein CML36
UniProt Synonym Protein Names	Calmodulin-like protein 36
Protein Family	Probable calcium-binding protein
UniProt Gene Name	CML36
NCBI Protein Information	Calcium-binding EF-hand family protein
NCBI Summary for CML36	Encodes a protein with sequence similarity to calmodulins. Loss of function mutations have decreased response to chitin elicitors suggesting a role in plant response to fungal pathogens.
UniProt Comments for CML36	Potential calcium sensor.
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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