CRS2-Associated Factor 2, Chloroplastic (AT1G23400) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	CRS2-associated factor 2, chloroplastic (At1g23400), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana CRS2-associated factor 2, chloroplastic (At1g23400) , partial
Product Gene Name	At1g23400 recombinant protein
Product Synonym Gene Name	At1g23400
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	63,602 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 Q9LDA9
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At1g23400 recombinant protein	MBS1345127 is a recombinant protein targeting At1g23400. Also known as Recombinant Arabidopsis thaliana CRS2-associated factor 2, chloroplastic (At1g23400) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At1g23400 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 At1g23400. It may not necessarily be applicable to this product.

NCBI GI #	22329751
NCBI GeneID	838948
NCBI Accession #	NP_173754.2
UniProt Primary Accession #	Q9LDA9
UniProt Related Accession #	Q9LDA9
GenBank Nucleotide #	NM_102189.4
NCBI Official Full Name	RNA-binding CRS1 / YhbY (CRM) domain-containing protein

NCBI Official Symbol	CAF2
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA HOMOLOG OF MAIZE CAF2; ATCAF2; F26F24.27; F26F24_27
UniProt Protein Name	CRS2-associated factor 2, chloroplastic
UniProt Synonym Protein Names	Chloroplastic group IIA intron splicing facilitator CRS2-associated factor 2
Protein Family	CRS2-associated factor
UniProt Gene Name	At1g23400
NCBI Protein Information	RNA-binding CRS1 / YhbY (CRM) domain-containing protein
NCBI Summary for At1g23400	Promotes the splicing of chloroplast group II introns.
UniProt Comments for At1g23400	Essential protein required for the splicing of group IIB introns in chloroplasts. Forms splicing particles with CRS2. Interacts with RNA and confers intron specificity of the splicing particles.
Research Articles on At1g23400	**1.** The mutant phenotype associated with T-DNA insertions in the Arabidopsis gene AtCAF2, encoding the ortholog of the maize chloroplast splicing factor CAF2, was examined.
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