Thioredoxin-Like 3-2, Chloroplastic (WCRKC2) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thioredoxin-like 3-2, chloroplastic (WCRKC2), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Thioredoxin-like 3-2, chloroplastic (WCRKC2)
Product Gene Name	WCRKC2 recombinant protein
Product Synonym Gene Name	WCRKC2
Sequence	AVDIQKQDGG LQELDDSPVS VELGPICGES HFDQVMEDAQ KLGESVVIVW MAAWCRKCIY LKPKLEKLAA EFYPRLRFYH VDVNAVPYRL VSRAGVTKMP TIQLWRDGQK QAEVIGGHKA HFVVNEVREM IENDSIT
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	21,836 Da
Sequence Positions	56-192, 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 Q8VZT6
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for WCRKC2 recombinant protein	MBS1331714 is a recombinant protein targeting WCRKC2. Also known as Recombinant Arabidopsis thaliana Thioredoxin-like 3-2, chloroplastic (WCRKC2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of WCRKC2 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 WCRKC2. It may not necessarily be applicable to this product.

NCBI GI #	22326600
NCBI GeneID	830305
NCBI Accession #	NP_196046.2
UniProt Primary Accession #	Q8VZT6
UniProt Secondary Accession #	Q9FYD5
UniProt Related Accession #	Q8VZT6

GenBank Nucleotide #	NM_120508.4
NCBI Official Full Name	WCRKC thioredoxin 2
NCBI Official Symbol	WCRKC2
NCBI Official Synonym Symbols	T19N18.5; WCRKC thioredoxin 2
UniProt Protein Name	Thioredoxin-like 3-2, chloroplastic
UniProt Synonym Protein Names	Thioredoxin WCRKC-2
Protein Family	Thioredoxin
UniProt Gene Name	WCRKC2
NCBI Protein Information	WCRKC thioredoxin 2
NCBI Summary for WCRKC2	Encodes a thioredoxin (WCRKC2) localized in chloroplast stroma. Contains a WCRKC motif.
UniProt Comments for WCRKC2	Probable thiol-disulfide oxidoreductase that may participate in various redox reactions.
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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