Protein Phytochrome KINASE Substrate 2 (PKS2) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein PHYTOCHROME KINASE SUBSTRATE 2 (PKS2), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein PHYTOCHROME KINASE SUBSTRATE 2 (PKS2)
Product Gene Name	PKS2 recombinant protein
Product Synonym Gene Name	PKS2
Sequence	MVTLTSSSST PNVSFDFMMN NNNNSNNLYG PFSSSSTSFS YLTSKEDALT QKNLMSGITN DVLGINKKAS EDLEISVFGA EKYFNGDMDS DHSPRLVSPL PDPEVPIERI FVGPKQSSKN SSETPSLRSE SSWNSQSLLL QSKYVEKKKN IKKNSSCNSY FQEKDMSSNH KVSNKKSFLA TLGCRCVCSN WSSVDVVDDK RRSSGLKKIK TQLSFSGDLS SEMKIHQQQQ EAMLEQRKSL EIFGSPLIEK RIIQKKFPWE YSSSAKKEEH GFSVKYEEEE DGSVSDVSTD LFEIESLTGK ANPFLARQGS SDPDSPDGYA PSEVSIQWSV VTASVADFSV MSECATSPVK KNRSFQIPRI PIMAKSNREI APQRRKSSSS GLLMGCKSHK SVRVSGDSYT SMNRTPSYVP RFPVEANPTS TETRRRISSS SVSHTQSPFL YT
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	49,131 Da
Sequence Positions	1-442, 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 Q9M9T4
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PKS2 recombinant protein	MBS1427503 is a recombinant protein targeting PKS2. Also known as Recombinant Arabidopsis thaliana Protein PHYTOCHROME KINASE SUBSTRATE 2 (PKS2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PKS2 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 PKS2. It may not necessarily be applicable to this product.

NCBI GI #	15223704
NCBI GeneID	837989
NCBI Accession #	NP_172880.1

UniProt Primary Accession #	Q9M9T4
UniProt Secondary Accession #	Q8L8R2
UniProt Related Accession #	Q9M9T4
GenBank Nucleotide #	NM_101294.3
NCBI Official Full Name	phytochrome kinase substrate 2
NCBI Official Symbol	PKS2
NCBI Official Synonym Symbols	F14L17.4; F14L17_4; phytochrome kinase substrate 2
UniProt Protein Name	Protein PHYTOCHROME KINASE SUBSTRATE 2
Protein Family	Inactive polyketide synthase
UniProt Gene Name	PKS2
NCBI Protein Information	phytochrome kinase substrate 2
NCBI Summary for PKS2	Encodes phytochrome kinase substrate 2. PKS proteins are critical for hypocotyl phototropism. Forms a complex with Phot1, Phot2 and NPH3.
UniProt Comments for PKS2	Acts predominantly in the phot1 pathway. Involved in the leaf positioning and also in the phot2 pathway controlling the leaf flattening. Component of the network that modulates the very low-fluence response (VLFR) branch of phyA signaling. Regulates phytochrome-mediated photomorphogenesis and hypocotyl phototropism. May act by controlling auxin homeostasis.
Research Articles on PKS2	**1.** PKS proteins are involved in auxin signaling and/or lateral auxin redistribution.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/protein-phytochrome-kinase-substrate-2-pks2/1427503