Probable Inactive Receptor-Like Kinase SSP (SSP) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable inactive receptor-like kinase SSP (SSP), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable inactive receptor-like kinase SSP (SSP)
Product Gene Name	SSP recombinant protein
Product Synonym Gene Name	SSP
Sequence	GCCYSLSSTV DPVQDHTTDA SSEPRNGGGE DPPLTKFSFS ALKTATNHFS PENIVSDQTS DVVFKGRLQN GGFVAIKRFN NMAWSDPKLF LEEAQRVGKL RHKRLVNLIG YCCDGDKRFL VADFMANDTL AKRLFQRKYQ TMDWSIRLRV AYFVAEALDY CNTAGFASYN NLSAYKVLFD EDGDACLSCF GLMKEINNDQ ITTGSVNPEN VIYRFGTVLV NLLSGKQIPP SHAPEMIHRK NVFKLMDPYL KGKFSIDEAN VVYKLASQCL KYEGQESPNT KEIVATLETL QTRTEAPSYE VVEMTNQEKD ASSSSNLSPL GEACLRMDLA SIHSILVLAG YDDDKDIIEL SFEEWIQEVK ELQDVRRNGD RAFVEQDFKT AIACYSQFVE ERSLVYPSVY ARRSLSYLFC DEPEKALLDG MHAQGVFPDW PTAFYLQSVA LAKLDMNTDS ADTLKEAALL EVKK
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	52,281 Da
Sequence Positions	2-465, 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 Q7XJT7
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SSP recombinant protein	MBS1317610 is a recombinant protein targeting SSP. Also known as Recombinant Arabidopsis thaliana Probable inactive receptor-like kinase SSP (SSP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SSP 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 SSP. It may not necessarily be applicable to this product.

NCBI GI #	15227366
NCBI GeneID	816214
NCBI Accession #	NP_179301.1

UniProt Primary Accession #	Q7XJT7
UniProt Related Accession #	Q7XJT7
GenBank Nucleotide #	NM_127264.2
NCBI Official Full Name	kinase with tetratricopeptide repeat domain-containing protein
NCBI Official Symbol	SSP
NCBI Official Synonym Symbols	brassinosteroid-signaling kinase 12; BSK12; F6P23.23; F6P23_23; SHORT SUSPENSOR
UniProt Protein Name	Probable inactive receptor-like kinase BSK12
UniProt Synonym Protein Names	Brassinosteroid-signaling kinase 12
Protein Family	Probable inactive receptor-like kinase
UniProt Gene Name	BSK12
NCBI Protein Information	kinase with tetratricopeptide repeat domain-containing protein
NCBI Summary for SSP	Encodes a N-myrystolylated plasma membrane associated member of the RLCK II family of IRAK/Pelle-like kinases that regulates the MAPK pathway that promotes the elongation of the Arabidopsis zygote and the development of its basal daughter cell into the extra-embryonic suspensor. SSP transcripts are produced in mature pollen but are not translated until delivery to the zygote and the endosperm after fertilization, exerting a paternal effect on embryonic development. The primary role of its kinase domain may lie in protein binding rather than in catalysis as key residues of the active site are absent.
UniProt Comments for SSP	Probable inactive protein kinase that activates the YODA MAP kinase cascade, which regulates the asymmetric first division and embryo polarity, by promoting the elongation of the zygote and the development of its basal daughter cell into the extra-embryonic suspensor. Acts as an adapter at the plasma membrane, possibly by recruiting and binding an activator.
Research Articles on SSP	**1.** is involved in paternal control of zygote elongation in Arabidopsis thaliana by transcription in the sperm cells of pollen and then translation in the zygote
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/probable-inactive-receptor-like-kinase-ssp-ssp/1317610