Lipoprotein Signal Peptidase (lspA) Anoxybacillus Flavithermus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoprotein signal peptidase (lspA), Recombinant Protein
Full Product Name	Recombinant Anoxybacillus flavithermus Lipoprotein signal peptidase (lspA)
Product Gene Name	lspA recombinant protein
Product Synonym Gene Name	lspA
Product Synonym Names	Recombinant Lipoprotein signal peptidase (lspA); Lipoprotein signal peptidase EC= 3.4.23.36; Prolipoprotein signal peptidase Signal peptidase II; SPase II
Sequence	MLWRGVMLYY LLAFVVILID QWTKWLVVRY MELGESIPII ENVLYMTSHR NRGAAWGMLQ GQFWLFYLIT IVVVVGIVIY IQRLQPTQRL FGIALGLMLG GALGNFIDRI FRKEVVDFVH TYIFNYSFPI FNVADAALTI GVALMFIYTW TEEKQRKGMS DGANSTHD
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	19,455 Da
Sequence Positions	1-168
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.
Chromosome Location	NC_011567.1 (1801488..1801994, complement)
3D Structure	ModBase 3D Structure for B7GFB0
Species	Anoxybacillus flavithermus (strain DSM 21510 / WK1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lspA recombinant protein	MBS1257311 is a recombinant protein targeting lspA. Also known as Recombinant Anoxybacillus flavithermus Lipoprotein signal peptidase (lspA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lspA 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 lspA. It may not necessarily be applicable to this product.

NCBI GI #	212639636
NCBI GeneID	7038063
NCBI Accession #	YP_002316156.1
UniProt Primary Accession #	B7GFB0

UniProt Related Accession #	B7GFB0
GenBank Nucleotide #	NC_011567.1
NCBI Official Full Name	lipoprotein signal peptidase
NCBI Official Symbol	lspA
UniProt Protein Name	Lipoprotein signal peptidase
UniProt Synonym Protein Names	Prolipoprotein signal peptidase; Signal peptidase II
Protein Family	Lipoprotein signal peptidase
UniProt Gene Name	lspA
UniProt Synonym Gene Names	SPase II
UniProt Entry Name	LSPA_ANOFW
NCBI Protein Information	lipoprotein signal peptidase
UniProt Comments for lspA	Function: This protein specifically catalyzes the removal of signal peptides from prolipoproteins By similarity. HAMAP-Rule MF_00161 Catalytic activity: Release of signal peptides from bacterial membrane prolipoproteins. Hydrolyzes -Xaa-Yaa-Zaa-|-(S,diacylglyceryl)Cys-, in which Xaa is hydrophobic (preferably Leu), and Yaa (Ala or Ser) and Zaa (Gly or Ala) have small, neutral side chains. HAMAP-Rule MF_00161 Pathway: Protein modification; lipoprotein biosynthesis (signal peptide cleavage). HAMAP-Rule MF_00161 Subcellular location: Cell membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_00161. Sequence similarities: Belongs to the peptidase A8 family.
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/lipoprotein-signal-peptidase-lspa/1257311