Leucine--Trna Ligase (leuS) Lysinibacillus Sphaericus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Leucine--tRNA ligase (leuS), Recombinant Protein
Full Product Name	Recombinant Lysinibacillus sphaericus Leucine--tRNA ligase (leuS)
Product Gene Name	leuS recombinant protein
Sequence	MSFNHQQIEK KWQQYWADNK TFKTENETEK PKFFALDMFP YPSGAGLHVG HPEGYTATDI LSRFKRMQGY NVLHPMGWDA FGLPAEQYAL DTGNDPAEFT AKNIATFKRQ IQELGFSYDW DREINTTDPA YYKWTQWIFI QLYKKGLAYV DEVAVNWCPA LGTVLANEEV IDGKSERGGH PVERRPMKQW MLKITAYADR LIDDLEEVDW PESIKDMQRN WIGRSEGAEV TFGIDGTDEN FTVFTTRPDT LFGATYCVLA PEHKLVEQIT TVEQRQAVED YLEKVKMKSD LERTDLAKEK TGVFTGAYAV NPINGKKVPI WIADYVLVSY GTGAIMAVPA HDERDYEFAS AFSLDIVPVL EGGDISKEAF TGDGQHINSD FLNGLNKVEG IAKAIEWLEE KGVGEKKISY RLRDWLFSRQ RYWGEPIPMI HWEDGTITPV PEEELPLMLP KTDNIRPSGT GESPLANIAE WVNVVDPATG KKGRRETNTM PQWAGSSWYF LRYIDPTNTE AIADPELLKR WLPVDIYIGG AEHAVLHLLY ARFWHKVLYD LGVVHTKEPF QKLFNQGMIL GEGNEKMSKS KGNVVNPDEI IESHGSDTLR LYEMFMGPLE ASVAWSTNGL DGARRFLDRI WRLLVNEEDG TISAKIQVSD DKTLEKSYHQ TVKKVTEDYE GIRFNTAISQ MMVFINDCYK AEVIPTAYAE GFVKMLAPIA PHIAEELWNL LGHEGTLSYE QWPTYDESKL VDDEVEVAVQ VAGKVRAKIV VAKDASKEDI EKVALADEKV QEYMAGKDLV KVIVIPGKLV NIVVK
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	91,395 Da
Sequence Positions	1-805 , Full length
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 B1HXY7
Species	Lysinibacillus sphaericus (strain C3-41)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for leuS recombinant protein	MBS1153513 is a recombinant protein targeting leuS. Also known as Recombinant Lysinibacillus sphaericus Leucine--tRNA ligase (leuS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of leuS 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 leuS. It may not necessarily be applicable to this product.

NCBI GI #	238688206
NCBI Accession #	B1HXY7.1

UniProt Primary Accession #	B1HXY7
NCBI Official Full Name	Leucine--tRNA ligase
UniProt Protein Name	Leucine--tRNA ligase
UniProt Synonym Protein Names	Leucyl-tRNA synthetase
Protein Family	Leucine--tRNA ligase
UniProt Gene Name	leuS
UniProt Synonym Gene Names	LeuRS
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