Phenylalanine--Trna Ligase Alpha Subunit (pheS) Deinococcus Deserti Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phenylalanine--tRNA ligase alpha subunit (pheS), Recombinant Protein
Full Product Name	Recombinant Deinococcus deserti Phenylalanine--tRNA ligase alpha subunit (pheS)
Product Gene Name	pheS recombinant protein
Sequence	MQQQAISEIQ AAETLDALQA VKTKYVGKSG LVTRELGSLG KLPPEERKAR GAEINTVRQA IDAALTEREG VLKRAALDAR LASEAIDVTL PGLPLPAGGL HPINRVYEDL TGIYERMGYA VIEGPEVEDE HHNFEALNVP WYHPARDLQD TFWLEDGRLL RTHTSPMQIR YMVDHEPPLK IVVRGKVYRY EATDATHEAM FHQLEGLVVG DGISMADLKG TIAEMARGLY GPSAKVRFQP SYYPFVEPGA DFAVWWDNPR GESKWLELGG CGMVHPNVFR AVDDLREAQG KPRIYEGKTG FAFGLGPERI AMLKYGIPDI RYFYANDPRV IGQFRGELG
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	37,833 Da
Sequence Positions	1-339, 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 C1CYT5
Species	Deinococcus deserti (strain VCD115 / DSM 17065 / LMG 22923)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pheS recombinant protein	MBS1227272 is a recombinant protein targeting pheS. Also known as Recombinant Deinococcus deserti Phenylalanine--tRNA ligase alpha subunit (pheS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pheS 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 pheS. It may not necessarily be applicable to this product.

NCBI GI #	502016206
NCBI Accession #	WP_012694236.1
UniProt Primary Accession #	C1CYT5
GenBank Nucleotide #	WP_012694236.1
NCBI Official Full Name	phenylalanine--tRNA ligase subunit alpha

UniProt Protein Name	Phenylalanine--tRNA ligase alpha subunit
UniProt Synonym Protein Names	Phenylalanyl-tRNA synthetase alpha subunit
UniProt Gene Name	pheS
UniProt Synonym Gene Names	PheRS
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