Phenylalanine--Trna Ligase Alpha Subunit (pheS) Shewanella Sediminis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phenylalanine--tRNA ligase alpha subunit (pheS), Recombinant Protein
Full Product Name	Recombinant Shewanella sediminis Phenylalanine--tRNA ligase alpha subunit (pheS)
Product Gene Name	pheS recombinant protein
Sequence	MSQLTEIVEQ ALAAIEGTED LKALDELRVD YLGKKGKITD MMKMMGKLSP AEKPAFGQAV NQAKQAVQKQ LSERIDNLKA KELEAQLVAE SIDVSLPGRR IDNGGLHPVT RTIERIETFF GELGFSVKEG PEIEDDFHNF DALNISEHHP ARADHDTFYF NPKVMLRTQT SGVQIRTMEN EKPPLRIISP GRVYRNDYDQ THTPMFHQVE GLLVAENVNF AELKGILHDF LRNFFEEDLE VRFRPSYFPF TEPSAEVDVM GKNGKWLEVL GCGMVHPNVL RSVGIDPEKY SGFAFGMGVE RLSMLRYGVN DLRSFFENDL RFLKQFK
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	37,244 Da
Sequence Positions	1-327, 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 A8FWI2
Species	Shewanella sediminis (strain HAW-EB3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pheS recombinant protein	MBS1117841 is a recombinant protein targeting pheS. Also known as Recombinant Shewanella sediminis 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 #	501092778
NCBI Accession #	WP_012142937.1
UniProt Primary Accession #	A8FWI2
GenBank Nucleotide #	WP_012142937.1
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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