Lysine--Trna Ligase (lysS) Rhizobium Etli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lysine--tRNA ligase (lysS), Recombinant Protein
Full Product Name	Recombinant Rhizobium etli Lysine--tRNA ligase (lysS)
Product Gene Name	lysS recombinant protein
Sequence	MADNKTENAL SSDATEVRAQ KLKLLREQIG DVYPAHFHRT MTNAELGAKY ESLEPDVETQ DVVTVAGRVY SSRNSGMFMD IHDASGKIQI FSHKDVTGEE ARALLPMIDI GDIIGVTGVV RRTKRGELTI NAQKIEMLTK SLLPMPEKWH GLSDIELRYR KRHLDIMTNE DSKLRFQQRS KIVSGIRRFM ENDGFMEVET PMLQSIYGGA TAEPFKTHHN TLKLDMYLRI APELFLKRTL VSGLTDKVFE INRNFRNEGV STRHNPEFTM MECYWAYADY EDMMDLVERL FEALALSIHG TTEFDFGDKR LSFKGPFKRV PMPDAVKEAT GIDFLTIKTD EEARAAAKAA GFAVEKDWTW GECLAFIFEE KVEATLIQPS HVTHFPKDIS PFAKEVPGEP RLVERFETYC NAWELGNAFS ELNDPEEQRR RMVEQLEQAH ARGEKEKQLD EEFLDAIDQG MPPAGGLGIG VDRLIMLLTN APSIRDVILF PARRNKAD
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	56,702 Da
Sequence Positions	1-498, 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 B3Q0S4
Species	Rhizobium etli (strain CIAT 652)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lysS recombinant protein	MBS1260091 is a recombinant protein targeting lysS. Also known as Recombinant Rhizobium etli Lysine--tRNA ligase (lysS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lysS 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 lysS. It may not necessarily be applicable to this product.

NCBI GI #	501461836
NCBI Accession #	WP_012485281.1
UniProt Primary Accession #	B3Q0S4
GenBank Nucleotide #	WP_012485281.1

NCBI Official Full Name	MULTISPECIES: lysine--tRNA ligase
UniProt Protein Name	Lysine--tRNA ligase
UniProt Synonym Protein Names	Lysyl-tRNA synthetase
Protein Family	Lysine--tRNA ligase
UniProt Gene Name	lysS
UniProt Synonym Gene Names	LysRS
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