# Lysine--Trna Ligase (lysS) Lysinibacillus Sphaericus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Lysine--tRNA ligase (lysS), Recombinant Protein |
| **Full Product Name** | Recombinant Lysinibacillus sphaericus Lysine--tRNA ligase (lysS) |
| **Product Gene Name** | lysS recombinant protein |
| **Sequence** | MKQVSNIEEL NDQLLVRRQK MTTILENGQD PFGSRFERTH LSTEVKEQFA DQTKEQLEEN LQEVIIAGRI MTKRGKGKAG FAHIQDLGGQ IQIYVRQDHV GEEAYELFKQ ADLGDIVGIR GNVFRTQVGE LSVKAEEFTF LTKALRPMPE KFHGLQDVEQ RYRQRYLDLM TNEDSKLTFI ARSKIIRAIR NYLDNAGYLE VETPMLHTIA GGAAARPFIT HHNALDMELY MRIAIELHLK RLIVGGLEKV YEIGRVFRNE GISTRHNPEF TMIELYEAYA DYQDIMSLTE NLIAHVAQEV LGTTTVQYGE DEINLAVGWK RVHMVDAVKE ATGVDFWQPM TKEQAQALAK EHGVEVKDVH EVGHIINEFF EQKIEETLVQ PTFVYGHPVE ISPLAKKNPE DERFTDRFEL FIVRREHANA FTELNDPIDQ RQRFEAQLAE KAAGNDEAHE MDNDFIEALE YGMPPTGGLG IGIDRLIMLL TNSPSIRDVL LFPTMRHITK |
| **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** | 57,308 Da |
| **Sequence Positions** | 1-500 , 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 B1HSY5 |
| **Species** | Lysinibacillus sphaericus (strain C3-41) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for lysS recombinant protein** | MBS1252341 is a recombinant protein targeting lysS. Also known as Recombinant Lysinibacillus sphaericus 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.

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| **NCBI GI #** | 259511527 |
| **NCBI Accession #** | B1HSY5.1 |
| **UniProt Primary Accession #** | B1HSY5 |
| **NCBI Official Full Name** | Lysine--tRNA ligase |

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| **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 |
| **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. |
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