# Glycine--Trna Ligase Beta Subunit (glyS) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Glycine--tRNA ligase beta subunit (glyS), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O17:K52:H18 Glycine--tRNA ligase beta subunit (glyS) |
| **Product Gene Name** | glyS recombinant protein |
| **Sequence** | MSEKTFLVEI GTEELPPKAL RSLAESFAAN FTAELDNAGL AHGTVQWFAA PRRLALKVAN LAEAQPDREI EKRGPAIAQA FDAEGKPSKA AEGWARGCGI TVDQAERLTT DKGEWLLYRA HVKGESTEAL LPNMVATSLA KLPIPKLMRW GASDVHFVRP VHTVTLLLGD KVIPATILGI QSDRVIRGHR FMGEPEFTID NADQYPEILR ERGKVIADYE ERKAKIKADA EEAARKIGGN ADLSESLLEE VASLVEWPVV LTAKFEEKFL AVPSEALVYT MKGDQKYFPV YANDGKLLPN FIFVANIESK DPQQIISGNE KVVRPRLADA EFFFNTDRKK RLEDNLPRLQ TVLFQQQLGT LRDKTDRIQA LAGWIAEQIG ADVNHATRAG LLSKCDLMTN MVFEFTDTQG VMGMHYARHD GEAEDVAVAL NEQYQPRFAG DDLPSNPVAC ALAIADKMDT LAGIFGIGQH PKGDKDPFAL RRAALGVLRI IVEKNLNLDL QTLTEEAVRL YGDKLTNANV VDDVIDFMLG RFRAWYQDEG YTVDTIQAVL ARRPTRPADF DARMKAVSHF RTLDAAAALA AANKRVSNIL AKSDEVLSDR VNASTLKEPE EIKLAMQVVV LRDKLEPYFA EGRYQDALVE LAELREPVDA FFDKVMVMVD DKELRINRLT MLEKLRELFL RVADISLLQ |
| **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** | 76,799 Da |
| **Sequence Positions** | 1-689, 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 B7NEL0 |
| **Species** | Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for glyS recombinant protein** | MBS1159642 is a recombinant protein targeting glyS. Also known as Recombinant Escherichia coli O17:K52:H18 Glycine--tRNA ligase beta subunit (glyS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of glyS 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 glyS. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 447214530 |
| **NCBI Accession #** | WP_001291786.1 |
| **UniProt Primary Accession #** | B7NEL0 |

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| **GenBank Nucleotide #** | WP_001291786.1 |
| **NCBI Official Full Name** | MULTISPECIES: glycine--tRNA ligase subunit beta |
| **UniProt Protein Name** | Glycine--tRNA ligase beta subunit |
| **UniProt Synonym Protein Names** | Glycyl-tRNA synthetase beta subunit |
| **Protein Family** | Glycine--tRNA ligase |
| **UniProt Gene Name** | glyS |
| **UniProt Synonym Gene Names** | GlyRS |
| **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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