# Tryptophan--Trna Ligase (trpS) Clostridium Acetobutylicum Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Tryptophan--tRNA ligase (trpS), Recombinant Protein |
| **Full Product Name** | Recombinant Clostridium acetobutylicum Tryptophan--tRNA ligase (trpS) |
| **Product Gene Name** | trpS recombinant protein |
| **Product Synonym Gene Name** | trpS |
| **Sequence** | MGENKKVIFS GIQPSGELTI GNYFGAIKNW VKLQDEYDCY YCIVDLHAIT VKQEAKDLRR RTLQLIATYI ASGIDPEKNT IFIQSHVPAH VQAQWILNCM SYVGELSRMT QFKDKSKKYE DTGIGAGLLN YPVLMAADIL IYQADLVPVG KDQTQHIELT RDLAQRFNST YSETFKIPEG YIPTGGAKIM SLQEPLKKMS KSSDNPNSFI LIMDPPEVIK RKIARAVTDN VGVVKYTDDQ PGVKNLMNIM SCCTGMSVKD IEDKYEGQGY SKFKEDVADA LIQELEPIQN KVNELLKDKA YLQDICKKGA QKASYIANKT VSKMMRKVGF ILPEK |
| **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** | 37,719 Da |
| **Sequence Positions** | 1-335, 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 Q97LD6 |
| **Species** | Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for trpS recombinant protein** | MBS1324757 is a recombinant protein targeting trpS. Also known as Recombinant Clostridium acetobutylicum Tryptophan--tRNA ligase (trpS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of trpS 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 trpS. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15893914 |
| **NCBI GeneID** | 1116809 |
| **NCBI Accession #** | NP_347263.1 |
| **UniProt Primary Accession #** | Q97LD6 |
| **GenBank Nucleotide #** | NC_003030.1 |

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| **NCBI Official Full Name** | tryptophanyl-tRNA synthetase |
| **NCBI Official Symbol** | trpS |
| **UniProt Protein Name** | Tryptophan--tRNA ligase |
| **UniProt Synonym Protein Names** | Tryptophanyl-tRNA synthetase |
| **Protein Family** | Tryptophan--tRNA ligase |
| **UniProt Gene Name** | trpS |
| **UniProt Synonym Gene Names** | TrpRS |
| **NCBI Protein Information** | tryptophanyl-tRNA synthetase |
| **UniProt Comments for trpS** | Catalyzes the attachment of tryptophan to tRNA(Trp). |
| **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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