# Trna Pseudouridine Synthase B (truB) Neisseria Gonorrhoeae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | tRNA pseudouridine synthase B (truB), Recombinant Protein |
| **Full Product Name** | Recombinant Neisseria gonorrhoeae tRNA pseudouridine synthase B (truB) |
| **Product Gene Name** | truB recombinant protein |
| **Product Synonym Gene Name** | truB |
| **Sequence** | MTNKPAKRPV NGVLLLDKPE GLSSNTALQK ARRLFHAEKA GHTGVLDPLA TGLLPVCFGE AAKFAQYLLD ADKAYTATLK LGEASSTGDA EGEIIAAARA DISLAEFQTA CQALTGNIRQ VPPMFSALKH EGKPLYEYAR KGIVIERKPR DITVYSIDIA EFDAPKAVIS VRCSKGTYIR TLSEGIAKHI GTFAHLTALR RTETAGFTIA QSHTLEALAN LNETERDGLL LPCDVLVSHF PQTVLNDYAV HMLQCGQRPR FEEDLPSDTP VRVYTENGRF VGLAEYQKEI CRMKALRLMN TAASSA |
| **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** | 33,387 Da |
| **Sequence Positions** | 1-306, 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 Q5F8W8 |
| **Species** | Neisseria gonorrhoeae (strain 700825 / FA 1090) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for truB recombinant protein** | MBS1421709 is a recombinant protein targeting truB. Also known as Recombinant Neisseria gonorrhoeae tRNA pseudouridine synthase B (truB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of truB 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 truB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 489793272 |
| **NCBI Accession #** | WP_003697163.1 |
| **UniProt Primary Accession #** | Q5F8W8 |
| **GenBank Nucleotide #** | WP_003697163.1 |
| **NCBI Official Full Name** | tRNA pseudouridine(55) synthase TruB |

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| **UniProt Protein Name** | tRNA pseudouridine synthase B |
| **UniProt Synonym Protein Names** | tRNA pseudouridine(55) synthase |
| **Protein Family** | Probable tRNA pseudouridine synthase |
| **UniProt Gene Name** | truB |
| **UniProt Synonym Gene Names** | Psi55 synthase |
| **UniProt Comments for truB** | Responsible for synthesis of pseudouridine from uracil-55 in the psi GC loop of transfer RNAs. |
| **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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