# Asparagine--Trna Ligase (asnS) Streptococcus Thermophilus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Asparagine--tRNA ligase (asnS), Recombinant Protein |
| **Full Product Name** | Recombinant Streptococcus thermophilus Asparagine--tRNA ligase (asnS) |
| **Product Gene Name** | asnS recombinant protein |
| **Product Synonym Gene Name** | asnS |
| **Sequence** | MSKQLVSIID VPKHIGEEIT IGAWVANKSG KGKIAFLQLR DGTAFFQGVA FKPNFIEKFG EEEGLEKFDT IKHLSQETSI YVTGMVKEDE RSKFGYELDI NDIEVIGKSQ DYPITPKEHG TDFLMDNRHL WLRSRKQMAI QQIRNAIIYA TYDFFDKNGF IKFDSPILSS NAAEDSTELF ETDYFGTPAF LSQSGQLYLE AGAMALGRVF DFGPVFRAEK SKTRRHLTEF WMMDAEYSFL SHDESLDLQE AYVKALIQGA IDRAPQALEI LERDVDLLKK YIAEPFKRVS YDEAIDLLQA HENDEDTDYE HLEHGDDFGS PHETWISNYF GVPTFVVNYP ASFKAFYMKP VPGNPERVLC ADLLAPEGYG EIIGGSMRED DYDALVAKME ELGMDRSEYE FYLDLRKYGS VPHGGFGIGI ERMVTFVAGT KHIREAIPFP RMLHRIKP |
| **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** | 51,122 Da |
| **Sequence Positions** | 1-448, 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 Q5M067 |
| **Species** | Streptococcus thermophilus (strain CNRZ 1066) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for asnS recombinant protein** | MBS1335480 is a recombinant protein targeting asnS. Also known as Recombinant Streptococcus thermophilus Asparagine--tRNA ligase (asnS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of asnS 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 asnS. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499546334 |
| **NCBI Accession #** | WP_011227117.1 |
| **UniProt Primary Accession #** | Q5M067 |
| **GenBank Nucleotide #** | WP_011227117.1 |

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| **NCBI Official Full Name** | asparagine--tRNA ligase |
| **UniProt Protein Name** | Asparagine--tRNA ligase |
| **UniProt Synonym Protein Names** | Asparaginyl-tRNA synthetase |
| **Protein Family** | Asparagine--tRNA ligase |
| **UniProt Gene Name** | asnS |
| **UniProt Synonym Gene Names** | AsnRS |
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