# Histidine--Trna Ligase (hisS) Burkholderia Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Histidine--tRNA ligase (hisS), Recombinant Protein |
| **Full Product Name** | Recombinant Burkholderia sp. Histidine--tRNA ligase (hisS) |
| **Product Gene Name** | hisS recombinant protein |
| **Product Synonym Gene Name** | hisS |
| **Sequence** | MTEQKRKIEK LTGVKGMNDI LPQDAGLWEF FEATVKSLLR AYGYQNIRTP IVEHTQLFTR GIGEVTDIVE KEMYSFTDAL NGENLTMRPE NTAAVVRASI EHNMLYDGPK RLWYIGPMFR HERPQRGRYR QFHQVGVEAL GFAGPDADAE IIMMCQRLWD DLGLTGIKLE INSLGLAEER AAHRVELIKY LEQFADVLDE DAKRRLYTNP LRVLDTKNPA LQEIAQNAPK LIDFLGDESR AHFEGLQRLL LANNIPFKIN PRLVRGLDYY NLTVFEWVTD KLGAQGTVAA GGRYDPLIEQ LGGKPTAACG WAMGIERILE LLKEDDLAPE QEGVDVYVVH QGETAREQAF IAAERLRDTG LDVIFHCSAD GAPASFKSQM KRADASGAAF AVIFGEEEVA NGTVGVKALR GAGGDGEKNV QQTVPVEGLT EFLINAMVAS AEDGDD |
| **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** | 49,541 Da |
| **Sequence Positions** | 1-446, 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 Q39FR0 |
| **Species** | Burkholderia sp. (strain 383) (Burkholderia cepacia (strain 17760 / NCIB 9086 / R18194)) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hisS recombinant protein** | MBS1352635 is a recombinant protein targeting hisS. Also known as Recombinant Burkholderia sp. Histidine--tRNA ligase (hisS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of hisS 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 hisS. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499671527 |
| **NCBI Accession #** | WP_011352261.1 |
| **UniProt Primary Accession #** | Q39FR0 |
| **GenBank Nucleotide #** | WP_011352261.1 |

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| **NCBI Official Full Name** | histidine--tRNA ligase |
| **UniProt Protein Name** | Histidine--tRNA ligase |
| **UniProt Synonym Protein Names** | Histidyl-tRNA synthetase |
| **Protein Family** | Histidine--tRNA ligase |
| **UniProt Gene Name** | hisS |
| **UniProt Synonym Gene Names** | HisRS |
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