# Peptidyl-Trna Hydrolase (pth) Burkholderia Pseudomallei Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Peptidyl-tRNA hydrolase (pth), Recombinant Protein |
| **Full Product Name** | Recombinant Burkholderia pseudomallei Peptidyl-tRNA hydrolase (pth) |
| **Product Gene Name** | pth recombinant protein |
| **Product Synonym Gene Name** | pth |
| **Sequence** | MIKLIVGLGN PGAEYTATRH NAGFWLVDQL AREAGATLRD ERRFHGFYAK ARLFGEEVHL LEPQTYMNRS GQAVVALAHF FKILPTEILV AHDELDLPPG AAKLKLGGGS GGHNGLKDIS AHLSSQQYWR LRIGIGHPRD LIPESARAGA KPDVANFVLK PPRKDEQDLI NAAIERALAV MPTAIKGETE RAMMQLHRNG A |
| **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** | 22,025 Da |
| **Sequence Positions** | 1-201, 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 Q63XM0 |
| **Species** | Burkholderia pseudomallei (strain K96243) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pth recombinant protein** | MBS1309859 is a recombinant protein targeting pth. Also known as Recombinant Burkholderia pseudomallei Peptidyl-tRNA hydrolase (pth). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pth 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 pth. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 490665949 |
| **NCBI Accession #** | WP_004530939.1 |
| **UniProt Primary Accession #** | Q63XM0 |
| **GenBank Nucleotide #** | WP_004530939.1 |
| **NCBI Official Full Name** | peptidyl-tRNA hydrolase |
| **UniProt Protein Name** | Peptidyl-tRNA hydrolase |

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|---|---|
| **Protein Family** | Parathyroid hormone |
| **UniProt Gene Name** | pth |
| **UniProt Synonym Gene Names** | PTH |
| **UniProt Comments for pth** | The natural substrate for this enzyme may be peptidyl-tRNAs which drop off the ribosome during protein synthesis. |
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