# Phosphoribosylaminoimidazole-Succinocarboxamide Synthase (purC) Pseudomonas Syringae Pv. Phaseolicola Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas syringae pv. phaseolicola Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC) |
| **Product Gene Name** | purC recombinant protein |
| **Product Synonym Gene Name** | purC |
| **Sequence** | MEKREELYRG KAKSVYKTDD ADRLILLFRN DTSAFDGKRI EQLDRKGMVN NKFNAFIMQK LEEAGVPTQF DKLLGDNECL VKKLDMIPVE CVVRNYAAGS LVKRLGIEEG TRLNPYTFEL FLKDDAKGDP FINESHVVAF GWGTAEQLVR MKELSIKVNE VLTKLFDDAG LLLVDFKLEF GVFHGEIVLG DEFSPDGCRL WDKDTRKKMD KDRFRQGLGD VIEAYEEVAN RLGVPL |
| **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** | 26,965 Da |
| **Sequence Positions** | 1-236, 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 Q48LD2 |
| **Species** | Pseudomonas syringae pv. phaseolicola (strain 1448A / Race 6) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for purC recombinant protein** | MBS1447678 is a recombinant protein targeting purC. Also known as Recombinant Pseudomonas syringae pv. phaseolicola Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of purC 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 purC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 488615745 |
| **NCBI Accession #** | WP_002552594.1 |
| **UniProt Primary Accession #** | Q48LD2 |

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| **GenBank Nucleotide #** | WP_002552594.1 |
| **NCBI Official Full Name** | MULTISPECIES: phosphoribosylaminoimidazolesuccinocarboxamide synthase |
| **UniProt Protein Name** | Phosphoribosylaminoimidazole-succinocarboxamide synthase |
| **UniProt Synonym Protein Names** | SAICAR synthetase |
| **Protein Family** | Phosphoribosylaminoimidazole-succinocarboxamide synthase |
| **UniProt Gene Name** | purC |
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