# Uridylate Kinase (pyrH) Maricaulis Maris Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Uridylate kinase (pyrH), Recombinant Protein |
| **Full Product Name** | Recombinant Maricaulis maris Uridylate kinase (pyrH) |
| **Product Gene Name** | pyrH recombinant protein |
| **Product Synonym Gene Name** | pyrH |
| **Sequence** | MLHAVTDSSA SGPADGQAGA PKFRRVLLKV SGEALMGSQN YGIDIDTADR IAREVAAAVK GGTEMCLVIG GGNIFRGLSG AAKGMDRAAA DYMGMLATVM NALAMQTALE RIGVQTRVQS AIPMTTVCEP YIRRRATRHM EKGRVVIFAA GTGNPFFTTD TAAALRAAEM GCDALLKGTQ VDGVYSDDPR TNPDAERFDQ LDYLDVLTRD LRVMDASAVT LMRENAIPIV VFDIHKTNGL ARVLAGEGKC TMIGKMKSDA AAV |
| **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** | 27,877 Da |
| **Sequence Positions** | 1-263, 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 Q0APW3 |
| **Species** | Maricaulis maris (strain MCS10) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pyrH recombinant protein** | MBS1380079 is a recombinant protein targeting pyrH. Also known as Recombinant Maricaulis maris Uridylate kinase (pyrH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pyrH 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 pyrH. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499962603 |
| **NCBI Accession #** | WP_011643321.1 |
| **UniProt Primary Accession #** | Q0APW3 |
| **GenBank Nucleotide #** | WP_011643321.1 |
| **NCBI Official Full Name** | UMP kinase |

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| **UniProt Protein Name** | Uridylate kinase |
| **UniProt Synonym Protein Names** | Uridine monophosphate kinase |
| **UniProt Gene Name** | pyrH |
| **UniProt Synonym Gene Names** | UK; UMP kinase; UMPK |
| **UniProt Comments for pyrH** | Catalyzes the reversible phosphorylation of UMP to UDP. |
| **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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