# Phosphopantetheine Adenylyltransferase (coaD) Escherichia Coli O8 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphopantetheine adenylyltransferase (coaD), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O8 Phosphopantetheine adenylyltransferase (coaD) |
| **Product Gene Name** | coaD recombinant protein |
| **Sequence** | MQKRAIYPGT FDPITNGHID IVTRATQMFD HVILAIAASP SKKPMFTLEE RVALAQQATA HLGNVEVVGF SDLMANFARN QHATVLIRGL RAVADFEYEM QLAHMNRHLM PELESVFLMP SKEWSFISSS LVKEVARHQG DVTHFLPENV HQALMAKLA |
| **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** | 17,837 Da |
| **Sequence Positions** | 1-159, 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 B7M4B8 |
| **Species** | Escherichia coli O8 (strain IAI1) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for coaD recombinant protein** | MBS1256475 is a recombinant protein targeting coaD. Also known as Recombinant Escherichia coli O8 Phosphopantetheine adenylyltransferase (coaD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of coaD 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 coaD. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 447094610 |
| **NCBI Accession #** | WP_001171866.1 |
| **UniProt Primary Accession #** | B7M4B8 |
| **GenBank Nucleotide #** | WP_001171866.1 |
| **NCBI Official Full Name** | MULTISPECIES: phosphopantetheine adenylyltransferase |
| **UniProt Protein Name** | Phosphopantetheine adenylyltransferase |
| **UniProt Synonym Protein Names** | Dephospho-CoA pyrophosphorylase |

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|---|---|
| **Protein Family** | Bifunctional phosphopantetheine adenylyltransferase/NTP phosphatase |
| **UniProt Gene Name** | coaD |
| **UniProt Synonym Gene Names** | PPAT |
| **UniProt Comments for coaD** | Reversibly transfers an adenylyl group from ATP to 4'-phosphopantetheine, yielding dephospho-CoA (dPCoA) and pyrophosphate. |
| **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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