Phosphopantetheine Adenylyltransferase (coaD) Shigella Boydii Serotype 4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphopantetheine adenylyltransferase (coaD), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 4 Phosphopantetheine adenylyltransferase (coaD)
Product Gene Name	coaD recombinant protein
Product Synonym Gene Name	coaD
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
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 Q31UZ2
Species	Shigella boydii serotype 4 (strain Sb227)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for coaD recombinant protein	MBS1455578 is a recombinant protein targeting coaD. Also known as Recombinant Shigella boydii serotype 4 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.

NCBI GI #	447094610
NCBI Accession #	WP_001171866.1
UniProt Primary Accession #	Q31UZ2
GenBank Nucleotide #	WP_001171866.1
NCBI Official Full Name	MULTISPECIES: phosphopantetheine adenylyltransferase

UniProt Protein Name	Phosphopantetheine adenylyltransferase
UniProt Synonym Protein Names	Dephospho-CoA pyrophosphorylase
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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