D-Erythrose-4-Phosphate Dehydrogenase (epd) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-erythrose-4-phosphate dehydrogenase (epd), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis D-erythrose-4-phosphate dehydrogenase (epd)
Product Gene Name	epd recombinant protein
Product Synonym Gene Name	epd
Sequence	MAIRIAINGF GRIGRSVLRA LYESGRRAEI SVVAINELAS AEGMAHLLKY DSSHGRFAWD VRQECDSLYV GDDIIRLIHQ SEIEQLPWSE LGIDVVLDCS GVYGSREDGE AHVASGAKKV LFAHPGGHDL DATVVYGVNH QDLRAEHRIV SNASCTTNCI IPIIQLLDIA YGIESGTVTT IHSSMNDQPV IDAYHQDLRR TRAASQSIIP VDTKLAAGIT RIFPKFCDRF EAISVRVPTI NVTAIDLSVS VTHPVGVAEV NQLLQKAARG AFRGIVDYTE LPLVSMDFNH DPHSAIVDGT QTRVSGQHLI KTLVWCDNEW GFANRMLDTT LAMAKSGF
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	37,015 Da
Sequence Positions	1-338, 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 Q7CGS4
Species	Yersinia pestis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for epd recombinant protein	MBS1338556 is a recombinant protein targeting epd. Also known as Recombinant Yersinia pestis D-erythrose-4-phosphate dehydrogenase (epd). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of epd 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 epd. It may not necessarily be applicable to this product.

NCBI GI #	488138756
NCBI Accession #	WP_002209964.1
UniProt Primary Accession #	Q7CGS4
UniProt Secondary Accession #	Q74QG3
GenBank Nucleotide #	WP_002209964.1

NCBI Official Full Name	MULTISPECIES: D-erythrose-4-phosphate dehydrogenase
UniProt Protein Name	D-erythrose-4-phosphate dehydrogenase
Protein Family	D-erythrose-4-phosphate dehydrogenase
UniProt Gene Name	epd
UniProt Synonym Gene Names	E4PDH
UniProt Comments for epd	Catalyzes the NAD-dependent conversion of D-erythrose 4-phosphate to 4-phosphoerythronate.
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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