D-Erythrose-4-Phosphate Dehydrogenase (epd) Vibrio Parahaemolyticus Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-erythrose-4-phosphate dehydrogenase (epd), Recombinant Protein
Full Product Name	Recombinant Vibrio parahaemolyticus D-erythrose-4-phosphate dehydrogenase (epd)
Product Gene Name	epd recombinant protein
Product Synonym Gene Name	epd
Sequence	MLKVAINGFG RIGRNVLRAV YESGKHQQIK VVAVNELAQP EAMAHLLQYD TSHGRFGKKI SHDQEHLNVH HESGEYDAIR ILHLSEIELL PWRDLEVDIV LDCTGVYGSK ADGLAHIEAG AKKVLFSHPG ANDLDNTIIY GVNHETLKDE HRVVSNGSCT TNCIVPIIKV LDEAFGIESG TITTIHSSMN DQQVIDAYHN DLRRTRAASQ SIIPVDTKLH KGIERIFPKF SNKFEAISVR VPTVNVTAMD LSVTINTNVK VNDVNQTIVN ASQCTLRNIV DYTESPLVSI DFNHDPHSAI VDGTQTRVSN GQLVKMLVWC DNEWGFANRM LDTALAMKAS SQVEL
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	38,249 Da
Sequence Positions	1-345, 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 Q87LL0
Species	Vibrio parahaemolyticus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for epd recombinant protein	MBS1326840 is a recombinant protein targeting epd. Also known as Recombinant Vibrio parahaemolyticus 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 #	28899375
NCBI GeneID	1190125
NCBI Accession #	NP_798980.1
UniProt Primary Accession #	Q87LL0

UniProt Related Accession #	Q87LL0
GenBank Nucleotide #	NC_004603.1
NCBI Official Full Name	erythrose 4-phosphate dehydrogenase
NCBI Official Symbol	VP2601
UniProt Protein Name	D-erythrose-4-phosphate dehydrogenase
Protein Family	D-erythrose-4-phosphate dehydrogenase
UniProt Gene Name	epd
UniProt Synonym Gene Names	E4PDH
NCBI Protein Information	erythrose 4-phosphate dehydrogenase
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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