Deoxyribose-Phosphate Aldolase (deoC) Streptococcus Pyogenes Serotype M1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxyribose-phosphate aldolase (deoC), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M1 Deoxyribose-phosphate aldolase (deoC)
Product Gene Name	deoC recombinant protein
Product Synonym Gene Name	deoC
Sequence	MEVKDILKTV DHTLLATTAT WPEIQTILDD AMAYETASAC IPASYVKKAA EYVSGKLAIC TVIGFPNGYS TTAAKVFECQ DAIQNGADEI DMVINLTDVK NGDFDTVEEE IRQIKAKCQD HILKVIVETC QLTKEELIEL CGVVTRSGAD FIKTSTGFST AGATFEDVEV MAKYVGEGVK IKAAGGISSL EDAKTFIALG ASRLGTSRII KIVKNEATKT DSY
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	24,007 Da
Sequence Positions	1-223, 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 Q99Y51
Species	Streptococcus pyogenes serotype M1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for deoC recombinant protein	MBS1481463 is a recombinant protein targeting deoC. Also known as Recombinant Streptococcus pyogenes serotype M1 Deoxyribose-phosphate aldolase (deoC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of deoC 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 deoC. It may not necessarily be applicable to this product.

NCBI GI #	15675686
NCBI GeneID	902077
NCBI Accession #	NP_269860.1
UniProt Primary Accession #	Q99Y51

UniProt Secondary Accession #	Q48WS2
GenBank Nucleotide #	NC_002737.2
NCBI Official Full Name	2-deoxyribose-5-phosphate aldolase
NCBI Official Symbol	deoC
UniProt Protein Name	Deoxyribose-phosphate aldolase
UniProt Synonym Protein Names	2-deoxy-D-ribose 5-phosphate aldolase
Protein Family	Deoxyribose-phosphate aldolase
UniProt Gene Name	deoC
UniProt Synonym Gene Names	DERA; Deoxyriboaldolase
NCBI Protein Information	2-deoxyribose-5-phosphate aldolase
UniProt Comments for deoC	Catalyzes a reversible aldol reaction between acetaldehyde and D-glyceraldehyde 3-phosphate to generate 2-deoxy-D-ribose 5-phosphate.
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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