Dihydroorotate Dehydrogenase (Quinone) (pyrD) Rhizobium Meliloti Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotate dehydrogenase (quinone) (pyrD), Recombinant Protein
Full Product Name	Recombinant Rhizobium meliloti Dihydroorotate dehydrogenase (quinone) (pyrD)
Product Gene Name	pyrD recombinant protein
Product Synonym Gene Name	pyrD
Sequence	MIGQLEHLAR RGLFLFDPEA AHGLSIKALK SGLVPSCAAP ADPRLGQTVA GLVFSNPIGM AAGYDKNAEV PEALLKIGFG FTEIGTVTPR PQAGNDKPRL FRLVEDEAVI NRLGFNNEGH GAALARLKAC SREALIGVNI GANKDSADRI ADYVTGIRTF YAVARYFTAN ISSPNTPGLR DLQARESLSA LLSAVLAARD DEARKGGRQV PVFLKIAPDL TEEGMDDIAA EVLAHGLDGL IVSNTTLSRE GLKDRRQANE AGGLSGKPLF EKSTAVLARM RKRVGPHLPI IGVGGVCSAE TAAEKIRAGA DLVQLYSCMI YEGPGLPGRI VRGLSALCER EKLASIRDIR DSRLDYWSGR NV
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	38,635 Da
Sequence Positions	1-362, 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 Q92S77
Species	Rhizobium meliloti (strain 1021) (Ensifer meliloti) (Sinorhizobium meliloti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrD recombinant protein	MBS1434490 is a recombinant protein targeting pyrD. Also known as Recombinant Rhizobium meliloti Dihydroorotate dehydrogenase (quinone) (pyrD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrD 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 pyrD. It may not necessarily be applicable to this product.

NCBI GI #	15964302
NCBI GeneID	1232186
NCBI Accession #	NP_384655.1
UniProt Primary Accession #	Q92S77

UniProt Related Accession #	Q92S77
GenBank Nucleotide #	NC_003047.1
NCBI Official Full Name	dihydroorotate dehydrogenase 2
NCBI Official Symbol	pyrD
UniProt Protein Name	Dihydroorotate dehydrogenase (quinone)
UniProt Synonym Protein Names	DHOdehase
Protein Family	Dihydroorotate dehydrogenase
UniProt Gene Name	pyrD
UniProt Synonym Gene Names	DHOD; DHODase
NCBI Protein Information	dihydroorotate dehydrogenase 2
UniProt Comments for pyrD	Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor.
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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