Dihydroorotate Dehydrogenase (Quinone) (pyrD) Aromatoleum Aromaticum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotate dehydrogenase (quinone) (pyrD), Recombinant Protein
Full Product Name	Recombinant Aromatoleum aromaticum Dihydroorotate dehydrogenase (quinone) (pyrD)
Product Gene Name	pyrD recombinant protein
Product Synonym Gene Name	pyrD
Sequence	MLYNIARPLL FSLDPETAHE LSLAALHFFG RVLPAATPTE SDPVDVMGLH FPNRIGLAAG LDKNGEAIDG LARLGFGFLE IGTITPRPQP GNPRPRMFRL PEVRAIINRM GFNNHGVDAL VANVRAAKYR GILGINIGKN FDTPIDRAAD DYLACLDKVY ALASYVTVNI SSPNTKNLRQ LQGESELDDL LGRLKARQQQ LADRHGRYVP LTLKIAPDLE PAQVTNIADA LRRHRIDGVI ATNTTIARDK VQGVRYAEQQ GGLSGAPVFE ASTAVVAQLS RALAGELPII AAGGILDGRG ARAKLAAGAS LVQVYSGLIY RGPSLIAECV RATTDFADSG HAATSASFGA
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	37,333 Da
Sequence Positions	1-350, 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 Q5P1A9
Species	Aromatoleum aromaticum (strain EbN1) (Azoarcus sp. (strain EbN1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrD recombinant protein	MBS1314983 is a recombinant protein targeting pyrD. Also known as Recombinant Aromatoleum aromaticum 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 #	499557805
NCBI Accession #	WP_011238588.1
UniProt Primary Accession #	Q5P1A9
GenBank Nucleotide #	WP_011238588.1

NCBI Official Full Name	dihydroorotate dehydrogenase (quinone)
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
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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