Dihydroorotase (pyrC) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotase (pyrC), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Dihydroorotase (pyrC)
Product Gene Name	pyrC recombinant protein
Sequence	MSDRLTLLRP DDWHIHLRDG AVLPHTVGDV ARTFARAIIM PNLVPPVRTA NEAGAYRERI LAARPAGSRF EPLMVLYLTD NISPEDIRAA KASGFVYAAK LYPAGATTNS DSGVTSIDNI FPAIEAMAEV GMPLLVHGEV TRSEIDVFDR EKRFIDEHMR RVVERFPTLK VVFEHITTSD AAQFVTEAPA NVGATITAQH LLYNRNHMLV GGIRPHFYCL PILKRNTHQV ALLDAATSGN PKFFLGTDSA PHARHAKEAA CGCAGCYTAY AAIEMYAEAF EQRNALDKLE GFASLHGPAF YGLPANTDTI TLVREEWTAP ESLPFGEQTV VPLRAGEKLR WRLLEKNA
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	38,389 Da
Sequence Positions	1-348, 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 A5VZH8
Species	Pseudomonas putida (strain F1 / 700007)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrC recombinant protein	MBS1258587 is a recombinant protein targeting pyrC. Also known as Recombinant Pseudomonas putida Dihydroorotase (pyrC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrC 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 pyrC. It may not necessarily be applicable to this product.

NCBI GI #	500997975
NCBI Accession #	WP_012051397.1
UniProt Primary Accession #	A5VZH8
GenBank Nucleotide #	WP_012051397.1
NCBI Official Full Name	MULTISPECIES: dihydroorotase
UniProt Protein Name	Dihydroorotase

Protein Family	Dihydroorotase
UniProt Gene Name	pyrC
UniProt Synonym Gene Names	DHOase
UniProt Comments for pyrC	Catalyzes the reversible cyclization of carbamoyl aspartate to dihydroorotate.
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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