Dihydroorotase (pyrC) Ehrlichia Chaffeensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotase (pyrC), Recombinant Protein
Full Product Name	Recombinant Ehrlichia chaffeensis Dihydroorotase (pyrC)
Product Gene Name	pyrC recombinant protein
Product Synonym Gene Name	pyrC
Sequence	MYKQSWELLG NGQHADLTVA YINARIIDPE SKLDIRGSLL TKGDKIIDFG PDLFANGIPS TIDEVIDCNN NILLPGLIDI HVHFREPGQE HKETINTGSK SAAAGGITTV VCQPNTIPTI SSVITAKYIK MRALESAYVN IEFYASITKS DNSLSDMALL KEVGAVGFTD DGMPVMNALT MRQALSYSSM LDTVIAQHAE DLNISNNGCI NEGIISYELG LKGIPDISES IIVNRDIALM KNIKNVHYHI LHVSSQESLH IIKQAKSQGL KVTCEVTPHH FTLTERDIMT HGSLAKMNPP LRTENDRLSM IEGLKSGIID CIATDHAPHD INAKELPLDT AAFGIVGLET MLPISLELYH NGTMPLIDLL ATLTYKPADI IKVPRGRIKK DYVADLIILD LDHEWVVDIS KFASKSKNSP FHNRKVKGKV LRTIVSGKTT YKAEIII
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	49,167 Da
Sequence Positions	1-447, 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 Q2GH90
Species	Ehrlichia chaffeensis (strain Arkansas)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrC recombinant protein	MBS1306785 is a recombinant protein targeting pyrC. Also known as Recombinant Ehrlichia chaffeensis 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 #	492856034
NCBI Accession #	WP_006009988.1
UniProt Primary Accession #	Q2GH90
GenBank Nucleotide #	WP_006009988.1

NCBI Official Full Name	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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