Dihydroorotase (pyrC) Corynebacterium Glutamicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotase (pyrC), Recombinant Protein
Full Product Name	Recombinant Corynebacterium glutamicum Dihydroorotase (pyrC)
Product Gene Name	pyrC recombinant protein
Product Synonym Gene Name	pyrC
Sequence	MVDSNTQYPE TGALAPAPAD SLLISNVLVY GEGEPTNVFV KDGVIAAIGG THEADRTIDG NGGVLLPGFV DMHVHLREPG REDTETIATG SAAAAKGGFT AVFTMANTTP VMDQPVIAES VWFKGQNIGL CDVHPVGSIT KGLEGKELTE FGMMARSEAK VRMFSDDGKC VDDPQVMRRA LEYAKGMDVL IAQHAEDHRL TEGASAHEGE NAARLGLRGW PRVAEESIVV RDAIMARDYG NRVHICHAST EGTVELLRWA KSQGIPITAE VTPHHLTLTD ERLETYDAVN KVNPPLRESR DAEALKKALL DGTIDVVATD HAPHGSEDKC CEFENAKPGM LGLETSLSII VDTFVATGLA DWRFVARVMS ERPAEITRLP GQGRPIAEGE PANLAIVDPG KTWTASGADF ASKAENTPFE GQEFSAKVTH TVLRGKVTCA DGVAQNA
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	47,827 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 Q8NQ39
Species	Corynebacterium glutamicum (strain 13032 / DSM 20300 / JCM 1318 / LMG 3730 / NCIMB 10025)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrC recombinant protein	MBS1344818 is a recombinant protein targeting pyrC. Also known as Recombinant Corynebacterium glutamicum 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 #	19552823
NCBI GeneID	1019579
NCBI Accession #	NP_600825.1
UniProt Primary Accession #	Q8NQ39

UniProt Related Accession #	Q8NQ39
GenBank Nucleotide #	NC_003450.3
NCBI Official Full Name	dihydroorotase
NCBI Official Symbol	pyrC
NCBI Official Synonym Symbols	Cgl1611
UniProt Protein Name	Dihydroorotase
Protein Family	Dihydroorotase
UniProt Gene Name	pyrC
UniProt Synonym Gene Names	DHOase
NCBI Protein Information	dihydroorotase
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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