Dihydroorotase (pyrC) Escherichia Coli O45:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydroorotase (pyrC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O45:K1 Dihydroorotase (pyrC)
Product Gene Name	pyrC recombinant protein
Sequence	MTAPSQVLKI RRPDDWHLHL RDGDMLKTVV PYTSEIYGRA IVMPNLAPPV TTVEAAVAYR QRILDAVPAG HDFTPLMTCY LTDSLDPNEL ERGFNEGVFT AAKLYPANAT TNSSHGVTSV DAIMPVLERM EKIGMPLLVH GEVTHADIDI FDREARFIES VMEPLRQRLT ALKVVFEHIT TKDAADYVRD GNERLAATIT PQHLMFNRNH MLVGGVRPHL YCLPILKRNI HQQALRELVA SGFNRVFLGT DSAPHARHRK ESSCGCAGCF NAPTALGSYA TVFEEMNALQ YFEAFCSVNG PQFYGLPVND TFIELVREEQ QVAESIALTD DTLVPFLAGE TVRWSVKQ
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	38,839 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 B7MIK3
Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrC recombinant protein	MBS1264331 is a recombinant protein targeting pyrC. Also known as Recombinant Escherichia coli O45:K1 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 #	446048690
NCBI Accession #	WP_000126545.1
UniProt Primary Accession #	B7MIK3
GenBank Nucleotide #	WP_000126545.1
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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