D-Dopachrome Decarboxylase-B (ddt-b) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-dopachrome decarboxylase-B (ddt-b), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis D-dopachrome decarboxylase-B (ddt-b)
Product Gene Name	ddt-b recombinant protein
Product Synonym Gene Name	ddt-b
Sequence	PFVELDTNLQ QQEVPQDLAE KLCSATATIL GKPRERVNVT VRTGVSMVVG GSSAPCTQLI ISSIGVVGTA EQNKEHSAKF FNFLTEQLGL AQDRILLRFV PLEPWQIGKN GTVMTFL
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	12,902 Da
Sequence Positions	2-118, 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 Q640C5
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ddt-b recombinant protein	MBS1332676 is a recombinant protein targeting ddt-b. Also known as Recombinant Xenopus laevis D-dopachrome decarboxylase-B (ddt-b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ddt-b 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 ddt-b. It may not necessarily be applicable to this product.

NCBI GI #	147906998
NCBI GeneID	494727
NCBI Accession #	NP_001088035.1
UniProt Primary Accession #	Q640C5
UniProt Related Accession #	Q640C5
GenBank Nucleotide #	NM_001094566.1

NCBI Official Full Name	D-dopachrome decarboxylase-B
NCBI Official Synonym Full Names	D-dopachrome tautomerase L homeolog
NCBI Official Symbol	ddt.L
NCBI Official Synonym Symbols	ddt; ddct; ddt-a; ddt-b
UniProt Protein Name	D-dopachrome decarboxylase-B
UniProt Synonym Protein Names	D-dopachrome tautomerase-B
Protein Family	D-dopachrome decarboxylase
UniProt Gene Name	ddt-b
NCBI Protein Information	D-dopachrome decarboxylase-B
UniProt Comments for ddt-b	Tautomerization of D-dopachrome with decarboxylation to give 5,6-dihydroxyindole (DHI).
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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