Tagatose 1,6-Diphosphate Aldolase (lacD) Streptococcus Agalactiae Serotype V Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tagatose 1,6-diphosphate aldolase (lacD), Recombinant Protein
Full Product Name	Recombinant Streptococcus agalactiae serotype V Tagatose 1,6-diphosphate aldolase (lacD)
Product Gene Name	lacD recombinant protein
Product Synonym Gene Name	lacD
Sequence	MGLTEQKQKH MEQLSDKNGI ISALAFDQRG ALKRLMAKYQ SEEPTVSQIE ALKVLVAEEL TPYASSMLLD PEYGLPATKV LDDNAGLLLA YEKTGYDTSS TKRLPDCLDI WSAKRIKEEG ADAVKFLLYY DVDSSDEVNE EKEAYIERIG SECVAEDIPF FLEILSYDEK ITDSSGIEYA KIKPRKVIEA MKVFSNPRFN IDVLKVEVPV NMDYVEGFAQ GETAYNKATA AAYFREQDQA TLLPYIFLSA GVPAQLFQET LVFAKEAGAK FNGVLCGRAT WAGSVKEYVE KGEAGARQWL RTIGFQNIDE LNKILQKTAT SWKER
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	36,443 Da
Sequence Positions	1-325, 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 Q8DXC3
Species	Streptococcus agalactiae serotype V
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lacD recombinant protein	MBS1473666 is a recombinant protein targeting lacD. Also known as Recombinant Streptococcus agalactiae serotype V Tagatose 1,6-diphosphate aldolase (lacD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lacD 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 lacD. It may not necessarily be applicable to this product.

NCBI GI #	22538066
NCBI GeneID	1014738
NCBI Accession #	NP_688917.1
UniProt Primary Accession #	Q8DXC3

UniProt Related Accession #	Q8DXC3
GenBank Nucleotide #	NC_004116.1
NCBI Official Full Name	tagatose 1,6-diphosphate aldolase
NCBI Official Symbol	lacD
UniProt Protein Name	Tagatose 1,6-diphosphate aldolase
UniProt Synonym Protein Names	D-tagatose-1,6-bisphosphate aldolase
Protein Family	Tagatose 1,6-diphosphate aldolase
UniProt Gene Name	lacD
NCBI Protein Information	tagatose 1,6-diphosphate aldolase
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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