D-3-Phosphoglycerate Dehydrogenase (serA) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-3-phosphoglycerate dehydrogenase (serA), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae D-3-phosphoglycerate dehydrogenase (serA), partial
Product Gene Name	serA recombinant protein
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	54,469 Da
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 O33116
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for serA recombinant protein	MBS1218231 is a recombinant protein targeting serA. Also known as Recombinant Mycobacterium leprae D-3-phosphoglycerate dehydrogenase (serA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of serA 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 serA. It may not necessarily be applicable to this product.

NCBI GI #	15827900
NCBI GeneID	910062
NCBI Accession #	NP_302163.1
UniProt Primary Accession #	O33116
UniProt Related Accession #	O33116; CAC30645
GenBank Nucleotide #	NC_002677.1
NCBI Official Full Name	D-3-phosphoglycerate dehydrogenase
NCBI Official Symbol	serA
UniProt Protein Name	D-3-phosphoglycerate dehydrogenase
UniProt Synonym Protein Names	2-oxoglutarate reductase

Protein Family	D-3-phosphoglycerate dehydrogenase
UniProt Gene Name	serA
UniProt Synonym Gene Names	PGDH
NCBI Protein Information	D-3-phosphoglycerate dehydrogenase
UniProt Comments for serA	Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonooxypyruvate, the first step of the phosphorylated L-serine biosynthesis pathway. Also catalyzes the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate.
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