Malate Synthase G (glcB) Bradyrhizobium Japonicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Malate synthase G (glcB), Recombinant Protein
Full Product Name	Recombinant Bradyrhizobium japonicum Malate synthase G (glcB), partial
Product Gene Name	glcB recombinant protein
Product Synonym Gene Name	glcB
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	77,928 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 Q89UE3
Species	Bradyrhizobium japonicum (strain USDA 110)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glcB recombinant protein	MBS1471258 is a recombinant protein targeting glcB. Also known as Recombinant Bradyrhizobium japonicum Malate synthase G (glcB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glcB 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 glcB. It may not necessarily be applicable to this product.

NCBI GI #	27376585
NCBI GeneID	1055224
NCBI Accession #	NP_768114.1
UniProt Primary Accession #	Q89UE3
UniProt Related Accession #	Q89UE3
GenBank Nucleotide #	NC_004463.1
NCBI Official Full Name	malate synthase G
NCBI Official Symbol	glcB
UniProt Protein Name	Malate synthase G

Protein Family	Malate synthase
UniProt Gene Name	glcB
NCBI Protein Information	malate synthase G
UniProt Comments for glcB	Involved in the glycolate utilization. Catalyzes the condensation and subsequent hydrolysis of acetyl-coenzyme A (acetyl-CoA) and glyoxylate to form malate and CoA.
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