1,4-Alpha-Glucan Branching Enzyme Glgb (glgB) Trichodesmium Erythraeum Recombinant Protein

PRODUCT OVERVIEW

Product Name	1,4-alpha-glucan branching enzyme GlgB (glgB), Recombinant Protein
Full Product Name	Recombinant Trichodesmium erythraeum 1,4-alpha-glucan branching enzyme GlgB (glgB), partial
Product Gene Name	glgB recombinant protein
Product Synonym Gene Name	glgB
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	89,966 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 Q114I1
Species	Trichodesmium erythraeum (strain IMS101)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glgB recombinant protein	MBS1345784 is a recombinant protein targeting glgB. Also known as Recombinant Trichodesmium erythraeum 1,4-alpha-glucan branching enzyme GlgB (glgB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glgB 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 glgB. It may not necessarily be applicable to this product.

NCBI GI #	499930734
NCBI Accession #	WP_011611468.1
UniProt Primary Accession #	Q114I1
GenBank Nucleotide #	WP_011611468.1
NCBI Official Full Name	glycogen-branching enzyme
UniProt Protein Name	1,4-alpha-glucan branching enzyme GlgB
UniProt Synonym Protein Names	1,4-alpha-D-glucan:1,4-alpha-D-glucan 6-glucosyl-transferase
Protein Family	1,4-alpha-glucan branching enzyme

UniProt Gene Name	glgB
UniProt Synonym Gene Names	BE
UniProt Comments for glgB	Catalyzes the formation of the alpha-1,6-glucosidic linkages in glycogen by scission of a 1,4-alpha-linked oligosaccharide from growing alpha-1,4-glucan chains and the subsequent attachment of the oligosaccharide to the alpha-1,6 position.
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