Maltooligosyl Trehalose Synthase (Trey), Partial (treY) Arthrobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Maltooligosyl trehalose synthase (treY), partial, Recombinant Protein
Full Product Name	Recombinant Arthrobacter sp. Maltooligosyl trehalose synthase (treY), partial
Product Gene Name	treY recombinant protein
Product Synonym Names	Maltooligosyl trehalose synthase; EC=5.4.99.15; (1,4)-alpha-D-glucan 1-alpha-D-glucosylmutase
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	85,356 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 Q44315
Species	Arthrobacter sp. (strain Q36)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for treY recombinant protein	MBS1333915 is a recombinant protein targeting treY. Also known as Recombinant Arthrobacter sp. Maltooligosyl trehalose synthase (treY), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of treY 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 treY. It may not necessarily be applicable to this product.

NCBI GI #	25009486
NCBI Accession #	Q44315.1
UniProt Primary Accession #	Q44315
NCBI Official Full Name	Maltooligosyl trehalose synthase
UniProt Protein Name	Maltooligosyl trehalose synthase
UniProt Synonym Protein Names	(1,4)-alpha-D-glucan 1-alpha-D-glucosylmutase
Protein Family	Maltooligosyl trehalose synthase
UniProt Gene Name	treY

UniProt Entry Name	TREY_ARTSQ
UniProt Comments for treY	Catalyzes the conversion of maltooligosaccharide into the non-reducing saccharide, maltooligosyl trehalose (alpha-maltooligosyl alpha-D-glucoside) by intramolecular transglycosylation.
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