Cytoplasmic Trehalase (treF) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytoplasmic trehalase (treF), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri Cytoplasmic trehalase (treF), partial
Product Gene Name	treF recombinant protein
Product Synonym Gene Name	treF
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	63,715 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 Q83PS8
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for treF recombinant protein	MBS1329902 is a recombinant protein targeting treF. Also known as Recombinant Shigella flexneri Cytoplasmic trehalase (treF), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of treF 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 treF. It may not necessarily be applicable to this product.

NCBI GI #	24114787
NCBI GeneID	1024626
NCBI Accession #	NP_709297.1
UniProt Primary Accession #	Q83PS8
GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	trehalase
NCBI Official Symbol	treF
UniProt Protein Name	Cytoplasmic trehalase
UniProt Synonym Protein Names	Alpha,alpha-trehalase

Protein Family	Cytoplasmic trehalase
UniProt Gene Name	treF
NCBI Protein Information	trehalase
UniProt Comments for treF	Hydrolyzes trehalose to glucose. Could be involved, in cells returning to low osmolarity conditions, in the utilization of the accumulated cytoplasmic trehalose, which was synthesized in response to high osmolarity.
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