Translation Factor GUF1 Homolog 1, Mitochondrial (Tc00.1047053503697.90), Partial (TC00.1047053503697.90) Trypanosoma Cruzi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translation factor GUF1 homolog 1, mitochondrial (Tc00.1047053503697.90), partial, Recombinant Protein
Full Product Name	Recombinant Trypanosoma cruzi Translation factor GUF1 homolog 1, mitochondrial (Tc00.1047053503697.90), partial
Product Gene Name	Tc00.1047053503697.90 recombinant protein
Product Synonym Gene Name	Tc00.1047053503697.90
Product Synonym Names	Translation factor GUF1 homolog 1, mitochondrial; EC=3.6.5.-; Elongation factor 4 homolog 1; EF-4 1; GTPase GUF1 homolog 1; Ribosomal back-translocase 1
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	82,466 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 Q4DKF7
Species	Trypanosoma cruzi (strain CL Brener)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tc00.1047053503697.90 recombinant protein	MBS1343250 is a recombinant protein targeting Tc00.1047053503697.90. Also known as Recombinant Trypanosoma cruzi Translation factor GUF1 homolog 1, mitochondrial (Tc00.1047053503697.90), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tc00.1047053503697.90 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 Tc00.1047053503697.90. It may not necessarily be applicable to this product.

NCBI GI #	71652407
NCBI GeneID	3546474
NCBI Accession #	XP_814861.1
UniProt Primary Accession #	Q4DKF7
UniProt Related Accession #	Q4DKF7

GenBank Nucleotide #	XM_809768.1
NCBI Official Full Name	GTP-binding protein
NCBI Official Symbol	Tc00.1047053503697.90
UniProt Protein Name	Translation factor GUF1 homolog 1, mitochondrial
UniProt Synonym Protein Names	Elongation factor 4 homolog 1; GTPase GUF1 homolog 1; Ribosomal back-translocase 1
Protein Family	Translation factor
UniProt Gene Name	Tc00.1047053503697.90
UniProt Synonym Gene Names	EF-4 1
UniProt Entry Name	GUF11_TRYCC
NCBI Protein Information	GTP-binding protein
UniProt Comments for Tc00.1047053503697.90	Promotes mitochondrial protein synthesis. May act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes. Binds to mitochondrial ribosomes in a GTP-dependent manner.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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