Putative Translation Initiation Factor Eif-2b Subunit 2 (MJ0122) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative translation initiation factor eIF-2B subunit 2 (MJ0122), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Putative translation initiation factor eIF-2B subunit 2 (MJ0122)
Product Gene Name	MJ0122 recombinant protein
Product Synonym Names	Putative translation initiation factor eIF-2B subunit 2; eIF-2B GDP-GTP exchange factor
Sequence	MVFKMSEMDI IKETYEKIKN MEIRGAGRIG RAAAKALKEY ALKISHLNEE EFKNKMREAG NILISARPTA VSLPNVVKYV LKGLNEENPK ERVIERADEF INSSLKAIEN IGKFGANRIK DGDTILTHCN SEAAISVIKT AYDEGKDIKV FCTETRPRNQ GYLTAKTLYD YGIDVTLIVD SAVRYFIKEI DIVVVGADAI TANGCLVNKI GTSQIALIAN ESRVPFLTAA ETYKFHPKTI VGELIEIEER SPEEVAVFED KYKGIKIRNP AFDVTPAKYI DAIITEVGLI PPQGAWYIIE KYFGWLEK
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	34,518 Da
Sequence Positions	1-308aa; full length protein
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 Q57586
Species	Methanocaldococcus jannaschii (strain 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MJ0122 recombinant protein	MBS1308194 is a recombinant protein targeting MJ0122. Also known as Recombinant Methanocaldococcus jannaschii Putative translation initiation factor eIF-2B subunit 2 (MJ0122). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MJ0122 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 MJ0122. It may not necessarily be applicable to this product.

NCBI GI #	15668294
NCBI GeneID	1450965
NCBI Accession #	NP_247087.1

UniProt Primary Accession #	Q57586
UniProt Related Accession #	Q57586
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	translation initiation factor IF-2
NCBI Official Symbol	MJ_0122
UniProt Protein Name	Ribose 1,5-bisphosphate isomerase
UniProt Synonym Protein Names	Ribulose 1,5-bisphosphate synthase; RuBP synthase
UniProt Gene Name	MJ0122
UniProt Synonym Gene Names	R15P isomerase; R15Pi; RuBP synthase
UniProt Entry Name	R15PI_METJA
NCBI Protein Information	translation initiation factor IF-2
UniProt Comments for MJ0122	Catalyzes the isomerization of ribose 1,5-bisphosphate (R15P) to ribulose 1,5-bisphosphate (RuBP), the CO2 acceptor and substrate for RubisCO. Functions in an archaeal AMP degradation pathway, together with AMP phosphorylase and RubisCO ().
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