Uncharacterized Protein MJ0299 (MJ0299) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uncharacterized protein MJ0299 (MJ0299), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Uncharacterized protein MJ0299 (MJ0299)
Product Gene Name	MJ0299 recombinant protein
Product Synonym Names	Uncharacterized protein MJ0299
Sequence	MSRMENNKVT ISVIKADVGG LCGHTLAPDE LLEACEAVLE EAVDEIILDY YVTRCGDDID LIMSHKLGCD NEKVHGLAWR AFEEATKVAK ELKLYGAGQD LLADSFSGNV RGMGPGCAEM EFVERKSEPI VVFCCDKTDP TAFNYPLFKM FADPFNTAGL VFDPSMISGF KFEVHDVVGH KKVFLDTPEE MYMLLALIGD YEKYAIKRVY RRRDNEIAAV VSTEKLNYIA GEYVGKDDPV AIVRAQSGFP AVGEVLEPFA NPHFVPGWMR GSHWGPLMPV GEEDATPTRF DGPARIIALG FQVCDGMLIG PNDLFADKGF DKAREKALEM ADIIRRMGPF QPHRLPATMM EYTTVPKVLE ALEDRFIPLE GLELIEEGGI TRKDRGDVE
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	43,246 Da
Sequence Positions	1-389aa; 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 Q57747
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 MJ0299 recombinant protein	MBS1402962 is a recombinant protein targeting MJ0299. Also known as Recombinant Methanocaldococcus jannaschii Uncharacterized protein MJ0299 (MJ0299). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MJ0299 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 MJ0299. It may not necessarily be applicable to this product.

NCBI GI #	15668474
NCBI GeneID	1451154
NCBI Accession #	NP_247272.1

UniProt Primary Accession #	Q57747
UniProt Related Accession #	Q57747
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	hypothetical protein MJ_0299
NCBI Official Symbol	MJ_0299
UniProt Protein Name	Uncharacterized protein MJ0299
UniProt Gene Name	MJ0299
UniProt Entry Name	Y299_METJA
NCBI Protein Information	hypothetical protein
UniProt Comments for MJ0299	Catalyzes two subsequent steps in gluconeogenesis: the aldol condensation of dihydroxyacetone phosphate (DHAP) and glyceraldehyde-3-phosphate (GA3P) to fructose-1,6-bisphosphate (FBP), and the dephosphorylation of FBP to fructose-6-phosphate (F6P).
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