Probable Rubredoxin-2 (MJ0740) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable Rubredoxin-2 (MJ0740), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Probable Rubredoxin-2 (MJ0740)
Product Gene Name	MJ0740 recombinant protein
Product Synonym Names	Probable Rubredoxin-2; RD 2
Sequence	MIEMARYQCM CGWVYDEDKG EPSQNIPPGT KFEDLPDTFR CPQCGLGKNA FRKID
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	6,331 Da
Sequence Positions	1-55aa; 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 Q58150
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 MJ0740 recombinant protein	MBS1371360 is a recombinant protein targeting MJ0740. Also known as Recombinant Methanocaldococcus jannaschii Probable Rubredoxin-2 (MJ0740). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MJ0740 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 MJ0740. It may not necessarily be applicable to this product.

NCBI GI #	15668921
NCBI GeneID	1451617
NCBI Accession #	NP_247725.1
UniProt Primary Accession #	Q58150
UniProt Related Accession #	Q58150
GenBank Nucleotide #	NC_000909.1

NCBI Official Full Name	rubredoxin 2
NCBI Official Symbol	MJ_0740
UniProt Protein Name	Probable Rubredoxin-2
Protein Family	Probable Rubredoxin
UniProt Gene Name	MJ0740
UniProt Synonym Gene Names	RD 2
UniProt Entry Name	RUBR2_METJA
NCBI Protein Information	rubredoxin 2
UniProt Comments for MJ0740	Rubredoxin is a small nonheme, iron protein lacking acid-labile sulfide. Its single Fe, chelated to 4 Cys, functions as an electron acceptor and may also stabilize the conformation of the molecule ().
Research Articles on MJ0740	**1.** Ptr2 activates rubredoxin 2 (rb2) transcription through a bipartite upstream activating site, and conveys its stimulatory effects on its cognate transcription machinery through direct recruitment of the TATA binding protein
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