Probable Arogenate/Prephenate Dehydrogenase (MJ0612) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable arogenate/prephenate dehydrogenase (MJ0612), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Probable arogenate/prephenate dehydrogenase (MJ0612)
Product Gene Name	MJ0612 recombinant protein
Product Synonym Names	Probable arogenate/prephenate dehydrogenase; EC=1.3.1.-
Sequence	MKNTNLTISI IGGTDGLGKW FARYLKNKGF NVIVTGRDIE KGKNVEKELG VEFTNNNIEA AKKGDIVIVA VPINVTERVI KEVAPHVREG CLLMDITSIK EIPSKAMEEH VKEGVTVIPT HPMFGPSTPS LLRQVVILTP SEKHKNTEWF NKVYNFLKKE GAKVIVIPPE KHDRIMGIVQ GLTHFAFISL GATLKELNVD IKESRKFASP IYELMISIIG RIIGQNPYLY ADIQMFNPRI KEIHETFINQ CKEISEIVKN KDREGFVKIM KEAAKHFGSE AKRGAYYSDK AVFALTSEIE KLNKLIGKDV AVKNINSNVV HFGVLKDIED DYLILNKNGK EQKFNILRVE VFAGDELSKL KKKHLEKKYI DVSVLFKKDV DEEVILNLLK KMFDIEIIDV YEGEKIEEGY KSITFRIYGY NKDELKNIEK EFLKIIKNIG GKERFK
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	50,888 Da
Sequence Positions	1-446aa; 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 Q58029
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 MJ0612 recombinant protein	MBS1401656 is a recombinant protein targeting MJ0612. Also known as Recombinant Methanocaldococcus jannaschii Probable arogenate/prephenate dehydrogenase (MJ0612). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MJ0612 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 MJ0612. It may not necessarily be applicable to this product.

NCBI GI #	15668793
NCBI GeneID	1451478

NCBI Accession #	NP_247596.1
UniProt Primary Accession #	Q58029
UniProt Related Accession #	Q58029
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	prephenate dehydrogenase
NCBI Official Symbol	MJ_0612
UniProt Protein Name	Probable arogenate/prephenate dehydrogenase
Protein Family	Probable arogenate/prephenate dehydrogenase
UniProt Gene Name	MJ0612
UniProt Entry Name	Y612_METJA
NCBI Protein Information	prephenate dehydrogenase
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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