Ornithine Carbamoyltransferase (argF) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ornithine carbamoyltransferase (argF), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Ornithine carbamoyltransferase (argF)
Product Gene Name	argF recombinant protein
Product Synonym Gene Name	argF; MM_0145
Product Synonym Names	Ornithine carbamoyltransferase; OTCase; EC=2.1.3.3
Sequence	MKRDVLSITD LSREEIYELL ESAADLKKKR KAGEPTEYLK HKSLGMIFEK SSTRTRVSFE VAMSDFGGHA LYLNSRDIQV GRGETIEDTA RTLSGYLHGI MARVMSHDTV EKLARFSTIP VINALSDREH PCQILGDFMT IMEYKNRFEG LKFAWIGDGN NVCNSALLGS AIMGMEFVIA CPEGYEPGAE FLEKAKALGG KFSITDDPKT AAKDADIIYT DVWVSMGDEA EQEKRLKDFG SFQVNTELLG VAKPDVIVMH CLPARRGLEI TDEVMDGPNS VIFEEAENRL HAQKALILKL MR
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	33,707 Da
Sequence Positions	1-302aa; 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 Q8Q0J1
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argF recombinant protein	MBS1482149 is a recombinant protein targeting argF. Also known as Recombinant Methanosarcina mazei Ornithine carbamoyltransferase (argF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of argF 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 argF. It may not necessarily be applicable to this product.

NCBI GI #	161485684
NCBI GeneID	1478487
NCBI Accession #	NP_632169.2
UniProt Primary Accession #	Q8Q0J1

UniProt Related Accession #	Q8Q0J1
GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	ornithine carbamoyltransferase
NCBI Official Symbol	MM_0145
UniProt Protein Name	Ornithine carbamoyltransferase
Protein Family	N-acetylornithine carbamoyltransferase
UniProt Gene Name	argF
UniProt Synonym Gene Names	OTCase
UniProt Entry Name	OTC_METMA
NCBI Protein Information	ornithine carbamoyltransferase
UniProt Comments for argF	Reversibly catalyzes the transfer of the carbamoyl group from carbamoyl phosphate (CP) to the N(epsilon) atom of ornithine (ORN) to produce L-citrulline.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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