Ornithine Carbamoyltransferase (argF) Marinobacter Aquaeolei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ornithine carbamoyltransferase (argF), Recombinant Protein
Full Product Name	Recombinant Marinobacter aquaeolei Ornithine carbamoyltransferase (argF)
Product Gene Name	argF recombinant protein
Product Synonym Gene Name	argF; Maqu_2317
Product Synonym Names	Ornithine carbamoyltransferase; OTCase; EC=2.1.3.3
Sequence	MAARHFLTLN DMTTAELEDL LDHASKLRKE WRSGQTRDTL KNRVLAMIFE KSSTRTRVSF EAGMTQLGGS AMFLSPKDTQ LGRGEPIEDS AIVISSMVDA VMIRTFAHET VERFATASSK PVINALTDEF HPCQLLADMQ TYRELRGSIR GATVAWIGDG NNMCHSYINA AERFDFRLNV ACPEGYEPDQ QLIEQHADRV TVVRAPEEAA RGAQLLVTDV WASMGQEDEQ KAREKAFRSY QINPALMAQA DKDALFMHCL PAHRGEEISA DMMDHESSAV WHEAENRLHA QKALLEFLIL NRLD
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	34,210 Da
Sequence Positions	1-304aa; 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 A1U324
Species	Marinobacter aquaeolei (strain 700491 / DSM 11845 / VT8) (Marinobacter hydrocarbonoclasticus (strain DSM 11845))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argF recombinant protein	MBS1236367 is a recombinant protein targeting argF. Also known as Recombinant Marinobacter aquaeolei Ornithine carbamoyltransferase (argF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. argF
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 #	120555229
NCBI GeneID	4656404
NCBI Accession #	YP_959580.1

UniProt Primary Accession #	A1U324
UniProt Related Accession #	A1U324
GenBank Nucleotide #	NC_008740.1
NCBI Official Full Name	ornithine carbamoyltransferase
NCBI Official Symbol	Maqu_2317
UniProt Protein Name	Ornithine carbamoyltransferase
Protein Family	N-acetylornithine carbamoyltransferase
UniProt Gene Name	argF
UniProt Synonym Gene Names	OTCase
UniProt Entry Name	OTC_MARAV
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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