Arginine Biosynthesis Bifunctional Protein Argj (argJ) Carboxydothermus Hydrogenoformans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Arginine biosynthesis bifunctional protein ArgJ (argJ), Recombinant Protein
Full Product Name	Recombinant Carboxydothermus hydrogenoformans Arginine biosynthesis bifunctional protein ArgJ (argJ)
Product Gene Name	argJ recombinant protein
Product Synonym Gene Name	argJ
Sequence	MKKIQGGVTA PEGFLAAGVH AGIKKSKKDV AVIFSEKPAV GAAVFTTNKV KAAPILLSME NIKDQLISAI VVNSGNANAC TGEEGMLAAR QMLDETGKCL GIPISQILVA STGVIGVPLP VNKVLNGIRM ACQALSREGS GAAAEAIMTT DTVPKEIAVE FEVYGKTVKV GGIAKGSGMI HPNMA
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	42,465 Da
Sequence Positions	1-185, 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 Q3A9W1
Species	Carboxydothermus hydrogenoformans (strain Z-2901 / DSM 6008)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argJ recombinant protein	MBS1343247 is a recombinant protein targeting argJ. Also known as Recombinant Carboxydothermus hydrogenoformans Arginine biosynthesis bifunctional protein ArgJ (argJ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of argJ 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 argJ. It may not necessarily be applicable to this product.

NCBI GI #	499664412
NCBI Accession #	WP_011345146.1
UniProt Primary Accession #	Q3A9W1
GenBank Nucleotide #	WP_011345146.1

NCBI Official Full Name	bifunctional glutamate N-acetyltransferase/amino-acid N-acetyltransferase
UniProt Protein Name	Arginine biosynthesis bifunctional protein ArgJ
UniProt Synonym Protein Names	N-acetylglutamate synthase
Protein Family	Arginine biosynthesis bifunctional protein
UniProt Gene Name	argJ
UniProt Synonym Gene Names	OATase; AGSase
UniProt Comments for argJ	Catalyzes two activities which are involved in the cyclic version of arginine biosynthesis: the synthesis of N-acetylglutamate from glutamate and acetyl-CoA as the acetyl donor, and of ornithine by transacetylation between N2-acetylornithine and glutamate.
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