Argininosuccinate Synthase (argG) Yersinia Pestis Bv. Antiqua Recombinant Protein

PRODUCT OVERVIEW

Product Name	Argininosuccinate synthase (argG), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis bv. Antiqua Argininosuccinate synthase (argG)
Product Gene Name	argG recombinant protein
Product Synonym Gene Name	argG; YpAngola_A1695
Product Synonym Names	Argininosuccinate synthase; EC=6.3.4.5; Citrulline--aspartate ligase
Sequence	MTTILKHLPI NQRVGIAFSG GLDTSAALLW MQKKGAIPYA YTANLGQPDE EDYEAIPRKA MEYGAEKARL IDCRKQLVAE GIAAIQCGAF HNTTAGVTYF NTTPLGRAVT GTMLVAAMKE DDVNIWGDGS TYKGNDIERF YRYGLLTNAE LKIYKPWLDT DFIDELGGRH EMSEFMIQSG FDYKMSTEKA YSTDSNMLGA THEAKDLEFL NSSVKIVNPI MGVKFWDENV VVKAEEVTVR FERGYPVALN GVVFDDSVEL MMEANRIGGR HGLGMSDQIE NRIIEAKSRG IYEAPGMALL HIAYERLLTG IHNEDTIEQY HANGRVLGRL LYQGRWFDPQ ALMLRDSIQR WVASEITGEV TLELRRGNDY SILNTVSDNL TYKPERLTME KGDSVFSPDD RIGQLTMRNL DITDTREKLF NYVETGLLTS SAATGLPQVD NNNLSSGRGL QDKRQ
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	51,009 Da
Sequence Positions	1-455aa; 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 A9R622
Species	Yersinia pestis bv. Antiqua (strain Angola)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argG recombinant protein	MBS1261065 is a recombinant protein targeting argG. Also known as Recombinant Yersinia pestis bv. Antiqua Argininosuccinate synthase (argG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of argG 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 argG. It may not necessarily be applicable to this product.

NCBI GI #	162421528
NCBI GeneID	5800166
NCBI Accession #	YP_001606190.1

UniProt Primary Accession #	A9R622
UniProt Related Accession #	A9R622
GenBank Nucleotide #	NC_010159.1
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Symbol	argG
UniProt Protein Name	Argininosuccinate synthase
UniProt Synonym Protein Names	Citrulline--aspartate ligase
Protein Family	Argininosuccinate synthase
UniProt Gene Name	argG
UniProt Synonym Gene Names	YpAngola_A1695
UniProt Entry Name	ASSY_YERPG
NCBI Protein Information	argininosuccinate synthase
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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