# Argininosuccinate Synthase (argG) Methylococcus Capsulatus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Argininosuccinate synthase (argG), Recombinant Protein |
| **Full Product Name** | Recombinant Methylococcus capsulatus Argininosuccinate synthase (argG) |
| **Product Gene Name** | argG recombinant protein |
| **Product Synonym Gene Name** | argG |
| **Sequence** | MSSSNVKKVA LAYSGGLDTS VILKWLQETY GCEVVTFTAD LGQGEEVEPA RAKAQAMGVK EIYIDDLREE FSRDFVFPMF RANAIYEGEY LLGTSIARPL IAKRLIEIAN ETGADAIAHG ATGKGNDQVR FELGAYALRP DIRVIAPWRE WELTSRETLL AYAESRGIPI EMKRGKTSPY SMDANLLHIS YEGGILEDPW AEPEETMWRW SVSPENAPDR PTYVELTYEH GDIVAIDGER MTAAAVLARL NQLGGANGIG RLDIVENRYV GMKSRGCYET PGGTIMLKAH RAIESITLDR EVAHLKDELM PRYASLIYNG YWWSPERRML QQMIDASQAT VNGVVRVKLY KGNVSVVGRK SESNSLFDMN IATFEDDRGA YDQKDAEGFI KLNALRLRIA GRKGASFA |
| **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** | 45,511 Da |
| **Sequence Positions** | 1-408, 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 Q609X7 |
| **Species** | Methylococcus capsulatus (strain 33009 / NCIMB 11132 / Bath) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for argG recombinant protein** | MBS1435986 is a recombinant protein targeting argG. Also known as Recombinant Methylococcus capsulatus 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.

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| **NCBI GI #** | 499262854 |
| **NCBI Accession #** | WP_010960394.1 |
| **UniProt Primary Accession #** | Q609X7 |
| **GenBank Nucleotide #** | WP_010960394.1 |

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| **NCBI Official Full Name** | argininosuccinate synthase |
| **UniProt Protein Name** | Argininosuccinate synthase |
| **UniProt Synonym Protein Names** | Citrulline--aspartate ligase |
| **Protein Family** | Argininosuccinate synthase |
| **UniProt Gene Name** | argG |
| **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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