# Ornithine Carbamoyltransferase (arcB) Brucella Abortus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ornithine carbamoyltransferase (arcB), Recombinant Protein |
| **Full Product Name** | Recombinant Brucella abortus Ornithine carbamoyltransferase (arcB) |
| **Product Gene Name** | arcB recombinant protein |
| **Product Synonym Gene Name** | arcB |
| **Sequence** | MANDNGIKHF IDLSTVPATE LRAILEDAKA RKARLKAGEV ERPYAGKVLA MIFEKLSTRT RVSFDVGMRQ LGGETIMLTG SEMQLGRSET IADTAKVLSR YVDAIMIRTT AHERMLELAE YATVPVINAL TDDTHPCQIM ADVLTYEEHR GPIKGKTFAW MGDGNNVLHS LVEAAARFDF NVNIATPKGS EPKSQYIDWA RANGAGIMST TDPEKAASGA DCIVTDTWVS MGQEDHARGH NVFIPYQVNA NLMAKADPKA LFMHCLPAHR GEEVTDEVID GPQSVVFDEA ENRLHAQKAI LAWCLQDRGL GA |
| **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** | 34,239 Da |
| **Sequence Positions** | 1-312, Full length |
| **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 Q2YPH2 |
| **Species** | Brucella abortus (strain 2308) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for arcB recombinant protein** | MBS1345789 is a recombinant protein targeting arcB. Also known as Recombinant Brucella abortus Ornithine carbamoyltransferase (arcB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of arcB 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 arcB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 489053276 |
| **NCBI Accession #** | WP_002963466.1 |
| **UniProt Primary Accession #** | Q2YPH2 |
| **GenBank Nucleotide #** | WP_002963466.1 |
| **NCBI Official Full Name** | MULTISPECIES: ornithine carbamoyltransferase |

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| **UniProt Protein Name** | Ornithine carbamoyltransferase |
| **Protein Family** | Actin-related protein 2/3 complex |
| **UniProt Gene Name** | arcB |
| **UniProt Synonym Gene Names** | OTCase |
| **UniProt Comments for arcB** | Reversibly catalyzes the transfer of the carbamoyl group from carbamoyl phosphate (CP) to the N(epsilon) atom of ornithine (ORN) to produce L-citrulline. |
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