# Aspartate Carbamoyltransferase (pyrB) Salmonella Dublin Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Aspartate carbamoyltransferase (pyrB), Recombinant Protein |
| **Full Product Name** | Recombinant Salmonella dublin Aspartate carbamoyltransferase (pyrB) |
| **Product Gene Name** | pyrB recombinant protein |
| **Sequence** | MANPLYQKHI ISINDLSRDD LNLVLATAAK LKANPQPELL KHKVIASCFF EASTRTRLSF ETSMHRLSAS VVGFSDSANT SLGKKGETLA DTISVISTYV DAIVMRHPQE GAARLATEFS GQVPVLNAGD GSNQHPTQTL LDLFTIQETQ GRLDNLHIAM VGDLKYGRTV HSLTQALAKF SGNRFYFIAP DALAMPQYIL DMLDEKGMAW SLHGSIEEVM ADVDILYMTR VQKERLDPSE YANVKAQFVL RASDLNGARE NMKVLHPLPR IDEITTDVDK TPHAWYFQQA GNGIFARQAL LALVLNSELS L |
| **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** | 34,414 Da |
| **Sequence Positions** | 1-311, 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 B5FSF3 |
| **Species** | Salmonella dublin (strain CT_02021853) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pyrB recombinant protein** | MBS1257755 is a recombinant protein targeting pyrB. Also known as Recombinant Salmonella dublin Aspartate carbamoyltransferase (pyrB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pyrB 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 pyrB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 445935205 |
| **NCBI Accession #** | WP_000013060.1 |
| **UniProt Primary Accession #** | B5FSF3 |
| **GenBank Nucleotide #** | WP_000013060.1 |
| **NCBI Official Full Name** | aspartate carbamoyltransferase |
| **UniProt Protein Name** | Aspartate carbamoyltransferase |

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| **UniProt Synonym Protein Names** | Aspartate transcarbamylase |
| **Protein Family** | Aspartate carbamoyltransferase |
| **UniProt Gene Name** | pyrB |
| **UniProt Synonym Gene Names** | ATCase |
| **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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