# HTH-Type Transcriptional Repressor Purr (purR) Salmonella Dublin Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | HTH-type transcriptional repressor PurR (purR), Recombinant Protein |
| **Full Product Name** | Recombinant Salmonella dublin HTH-type transcriptional repressor PurR (purR) |
| **Product Gene Name** | purR recombinant protein |
| **Sequence** | MATIKDVAKR ANVSTTTVSH VINKTRFVAE ETRNAVWAAI KELHYSPSAV ARSLKVNHTK SIGLLATSSE AAYFAEIIEA VEKNCFQKGY TLILGNAWNN LEKQRAYLSM MAQKRVDGLL VMCSEYPEPL LSMLEEYRHI PMVVMDWGEA KADFTDTVID NAFAGGYMAG RYLVERGHRD IGVIPGPLER NTGAGRLAGF MKAMEEALIN VPDNWIVQGD FEPESGYHAM QQILSQSHRP TAVFCGGDIM AMGALCAADE MGLRVPQDVS VIGYDNVRNA RYFTPALTTI HQPKDSLGET AFNMLLDRIV NKREESQSIE VHPRLVERRS VADGPFRDYR R |
| **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** | 38,048 Da |
| **Sequence Positions** | 1-341, 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 B5FIH3 |
| **Species** | Salmonella dublin (strain CT_02021853) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for purR recombinant protein** | MBS1121774 is a recombinant protein targeting purR. Also known as Recombinant Salmonella dublin HTH-type transcriptional repressor PurR (purR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of purR 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 purR. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446113138 |
| **NCBI Accession #** | WP_000190993.1 |
| **UniProt Primary Accession #** | B5FIH3 |
| **GenBank Nucleotide #** | WP_000190993.1 |
| **NCBI Official Full Name** | PurR family transcriptional regulator |
| **UniProt Protein Name** | HTH-type transcriptional repressor PurR |

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| **UniProt Synonym Protein Names** | Pur regulon repressor |
| **Protein Family** | HTH-type transcriptional repressor |
| **UniProt Gene Name** | purR |
| **UniProt Comments for purR** | Is the main repressor of the genes involved in the de novo synthesis of purine nucleotides, regulating purB, purC, purEK, purF, purHD, purL, purMN and guaBA expression. PurR is allosterically activated to bind its cognate DNA by binding the purine corepressors, hypoxanthine or guanine, thereby effecting transcription repression. |
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