# Putative Ribosome Biogenesis Gtpase Rsga (rsgA) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Putative ribosome biogenesis GTPase RsgA (rsgA), Recombinant Protein |
| **Full Product Name** | Recombinant Actinobacillus pleuropneumoniae serotype 5b Putative ribosome biogenesis GTPase RsgA (rsgA) |
| **Product Gene Name** | rsgA recombinant protein |
| **Sequence** | MSKRRLTQNQ QRRIKSNHHK KIAKPELEWQ DEMLGEVQQG IVVTRHAKHA DVETEQGEIY RCNLRRTLKN VVVGDQVSWR KGNEQLQGIS GVIEAIYPRK NELSRPDYYD GIKVMAANID QIIIVSAVLP TLSLNIIDRY LVICETAKIP ALIVLNKIDL LSESERQEVQ KQLAIYENIG YETLCLSADT GENMEKLDRY LSRGTSIFVG QSGVGKSSLI NQLLPEVNAL TGAVSDISGL GQHTTTSSRL YHLPQGGNLI DSPGIREFGL WHLEPEQITL GYREFQSVLG TCKFRDCKHK SDPGCAVREA VEKGEINAIR FENYHRLIES RDETKSQRHF RTEE |
| **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** | 39,023 Da |
| **Sequence Positions** | 1-344, 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 A3MYK2 |
| **Species** | Actinobacillus pleuropneumoniae serotype 5b (strain L20) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rsgA recombinant protein** | MBS1149318 is a recombinant protein targeting rsgA. Also known as Recombinant Actinobacillus pleuropneumoniae serotype 5b Putative ribosome biogenesis GTPase RsgA (rsgA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rsgA 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 rsgA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 491788954 |
| **NCBI Accession #** | WP_005600146.1 |
| **UniProt Primary Accession #** | A3MYK2 |
| **GenBank Nucleotide #** | WP_005600146.1 |
| **NCBI Official Full Name** | ribosome small subunit-dependent GTPase |

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| **UniProt Protein Name** | Small ribosomal subunit biogenesis GTPase RsgA |
| **Protein Family** | Putative ribosome biogenesis GTPase |
| **UniProt Gene Name** | rsgA |
| **UniProt Comments for rsgA** | One of several proteins that assist in the late maturation steps of the functional core of the 30S ribosomal subunit. Helps release RbfA from mature subunits. May play a role in the assembly of ribosomal proteins into the subunit. Circularly permuted GTPase that catalyzes slow GTP hydrolysis, GTPase activity is stimulated by the 30S ribosomal subunit. |
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