# Putative Ribosome Biogenesis Gtpase Rsga (rsgA) Bacillus Clausii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Putative ribosome biogenesis GTPase RsgA (rsgA), Recombinant Protein |
| **Full Product Name** | Recombinant Bacillus clausii Putative ribosome biogenesis GTPase RsgA (rsgA) |
| **Product Gene Name** | rsgA recombinant protein |
| **Product Synonym Gene Name** | rsgA |
| **Sequence** | MPEGLIVKAL SGFYYVQSEG ALIQCRGRGV FRKRKQTPLV GDYVEFEAEN ETDGYVMAIK ERKNQLNRPP IANVDQAILV FSAKEPDFHT LLLDRFLVHI EQHDIKPVLI ISKTDLLEAS ERDALTRQVA MYEQIGYPVL YTSTKQADDP SELLPLLANQ VSVIAGQSGV GKSSLLNALA PEAKIETNEI SRHLGRGRHT TRHTELLPIG EGLVADTPGF SSLEFTDMEA EDLRFCFPEF LSLMDDCKFR GCLHDKEPKC AIKDAVETGE VDSFRYKHYL QFLHEIQDQK RRY |
| **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** | 33,189 Da |
| **Sequence Positions** | 1-293, 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 Q5WFL1 |
| **Species** | Bacillus clausii (strain KSM-K16) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rsgA recombinant protein** | MBS1332653 is a recombinant protein targeting rsgA. Also known as Recombinant Bacillus clausii 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 #** | 499566374 |
| **NCBI Accession #** | WP_011247157.1 |
| **UniProt Primary Accession #** | Q5WFL1 |
| **GenBank Nucleotide #** | WP_011247157.1 |
| **NCBI Official Full Name** | MULTISPECIES: GTPase A |

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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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