# Glycogen Synthase (glgA) Streptococcus Agalactiae Serotype V Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Glycogen synthase (glgA), Recombinant Protein |
| **Full Product Name** | Recombinant Streptococcus agalactiae serotype V Glycogen synthase (glgA) |
| **Product Gene Name** | glgA recombinant protein |
| **Product Synonym Gene Name** | glgA |
| **Sequence** | MKIMFVAAEG APFAKTGGLG DVIGALPKSL SKKGHDVAVV MPYYDMVDQK FGDQIENLMY FYTDVGWRHQ YVGVKRLSQD NVTFYFIDNQ YYFYRGHVYG DWDDGERFAY FQLAALELME KIDFIPDVLH VHDYHTAMIP FLLKEKYHWI QAYNNIRAVF TIHNIEFQGQ FGPEMLGDLF GVGAERYEDG TLRWNNCLNW MKAAILYSDR VTTVSPSYAN EIKTPEFGKG LDQIMRMEAG KLSGIVNGID SDLLNPETDA FLPYHFSKSN LEGKIKNKLA LQENLGLPQD KNVPLIGIVS RLTDQKGFDI IASELDNMLQ QDIQMVILGT GYHHFEETFS YFASRYPEKL SANITFDLRL AQQIYAASDI FMMPSAFEPC GLSQMMAMRY GSLPLVHEVG GLKDTVVAFN QFDGSGTGFS FNHFSGYWLM QTLKLALEVY NDYPEAWKKL QWQAMSKDFS WDTACVAYEQ LYQQLQ |
| **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** | 54,514 Da |
| **Sequence Positions** | 1-476, Full length protein |
| **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 Q8E079 |
| **Species** | Streptococcus agalactiae serotype V |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for glgA recombinant protein** | MBS1364235 is a recombinant protein targeting glgA. Also known as Recombinant Streptococcus agalactiae serotype V Glycogen synthase (glgA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of glgA 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 glgA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 22537019 |
| **NCBI GeneID** | 1013660 |
| **NCBI Accession #** | NP_687870.1 |
| **UniProt Primary Accession #** | Q8E079 |

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| **UniProt Related Accession #** | Q8E079 |
| **GenBank Nucleotide #** | NC_004116.1 |
| **NCBI Official Full Name** | glycogen synthase |
| **NCBI Official Symbol** | glgA |
| **UniProt Protein Name** | Glycogen synthase |
| **UniProt Synonym Protein Names** | Starch [bacterial glycogen] synthase |
| **Protein Family** | Capsular glucan synthase |
| **UniProt Gene Name** | glgA |
| **NCBI Protein Information** | glycogen synthase |
| **UniProt Comments for glgA** | Synthesizes alpha-1,4-glucan chains using ADP-glucose. |
| **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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