Glycogen Synthase (glgA) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycogen synthase (glgA), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Glycogen synthase (glgA)
Product Gene Name	glgA recombinant protein
Sequence	MQVLHVCSEM FPLLKTGGLA DVIGALPAAQ IADGVDVRVL LPGFPDIRRG IPDAHVVSRR DTFAGKISLL FGHYNGVGIY LIDAPHLYER PGSPYHDTNL YAYTDNVLRF ALLGWVGCEM ACGLDPFWRP DVVHAHDWHA GLAPAYLAAR GRPAKSVFTV HNLAYQGMFY AKHMDDIELP WSFFNMHGLE FNGQLSFLKA GLYYADHITA VSPTYAREIT EPQFAYGMEG LLRQRHLEGR LSGILNGVDE KIWNPESDLL LASRYTRDTL EEKAENKRQL QIAMGLKVND KVPLFAVVSR LTNQKGLDLV LEALPGLLEQ GGQLALLGAG DPVLQEGFLA AAAEHPGQVG VQIGYHEAFS HRIMGGADVI LVPSRFEPCG LTQLYGLKYG TLPLVRRTGG LADTVSDSSL ENLADGIASG FVFEDSNAWS LLRAIRRAFV LWSRPSLWRF VQRQAMAMDF SWQVAAKSYR ELYYRLK
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	52,946 Da
Sequence Positions	1-477, 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 P05416
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glgA recombinant protein	MBS1227250 is a recombinant protein targeting glgA. Also known as Recombinant Salmonella typhimurium 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.

NCBI GI #	16766821
NCBI GeneID	1255058
NCBI Accession #	NP_462436.1
UniProt Primary Accession #	P05416
UniProt Related Accession #	P05416

GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	starch 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	starch 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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