Glucans Biosynthesis Protein G (mdoG) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glucans biosynthesis protein G (mdoG), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A Glucans biosynthesis protein G (mdoG)
Product Gene Name	mdoG recombinant protein
Product Synonym Gene Name	mdoG
Sequence	FSIDDVAKQA QSLAGKGYEA PKSNLPSVFR DMKYADYQQI QFNSDKAYWN NLKTPFKLEF YHQGMYFDTL VKINEVTATT VKRIKYSPDY FNFGNVQHDK DTVKDLGFAG FKVLYPINSK DKNDEIVSML GASYFRVIGA GQVYGLSARG LAIDTALPSG EEFPRFREFW IERPKPTDKR LTVYALLDSP RATGAYRFVI IPGRDTVVDV QSKVYLRDKV GKLGVAPLTS MFLFGPNQPS PTTNYRPELH DSNGLSIHAG NGEWIWRPLN NPKHLAVSSY AMENPQGFGL LQRGREFSRF EDLDDRYDLR PSAWITPKGD WGKGKVELVE IPTNDETNDN IVAYWTPDQL PEPGKEMNFK YTLTFSRDED KLHAPDNAWV LQTRRSTGDV KQSNLIRQPD GTIAFVVDFV GADMKKLPPD TPVAAQTSIG DNGEIVDSNV RYNPVTKGWR LMLRVKVKDA KKTTEMRAAL VNADQTLSET WSYQLPANE
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	57,861 Da
Sequence Positions	23-511, 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 Q5PGX6
Species	Salmonella paratyphi A (strain 9150 / SARB42)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mdoG recombinant protein	MBS1314689 is a recombinant protein targeting mdoG. Also known as Recombinant Salmonella paratyphi A Glucans biosynthesis protein G (mdoG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mdoG 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 mdoG. It may not necessarily be applicable to this product.

NCBI GI #	499552296
NCBI Accession #	WP_011233079.1
UniProt Primary Accession #	Q5PGX6
GenBank Nucleotide #	WP_011233079.1

NCBI Official Full Name	glucan biosynthesis protein G
UniProt Protein Name	Glucans biosynthesis protein G
Protein Family	Glucans biosynthesis protein
UniProt Gene Name	mdoG
UniProt Comments for mdoG	Involved in the biosynthesis of osmoregulated periplasmic glucans (OPGs).
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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