Flagellar P-Ring Protein (flgI) Rhodospirillum Rubrum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Flagellar P-ring protein (flgI), Recombinant Protein
Full Product Name	Recombinant Rhodospirillum rubrum Flagellar P-ring protein (flgI)
Product Gene Name	flgI recombinant protein
Product Synonym Gene Name	flgI
Sequence	ASRIKDLADF EGVRDNILVG YGLVVGLKGT GDKLDDVTFT KESLIGMLER LGVNTREGKL DPDNVAAVMV TGTLPPFARQ GSRIDVTISA LGTAKSLAGG TLMVTPLIGA DGEVYAVAQG QAQIGGYAVQ GQSASVQKGV PTSGRIPNGA LVEAEVPFNL SAMESVKISL RNPDFTTARR IAQAINAFLG TELARPLDPG TVLVAVTAGY EGNAVALLTD IEQLLVEPDT VARVVIDEAT GTIVIGEKVR INTVAIAQGN LTIRVTETPQ VSQPAPFSQG GQTAVVPRTN IQVDEGKDNK LTVVNGGVNL QDLVNSLNAL GVGPRDMISI LQAIKSAGAM QAEIQVM
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	39,239 Da
Sequence Positions	33-379, 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 Q2RQE9
Species	Rhodospirillum rubrum (strain 11170 / NCIB 8255)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for flgI recombinant protein	MBS1332471 is a recombinant protein targeting flgI. Also known as Recombinant Rhodospirillum rubrum Flagellar P-ring protein (flgI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of flgI 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 flgI. It may not necessarily be applicable to this product.

NCBI GI #	83594181
NCBI GeneID	3836289
NCBI Accession #	YP_427933.1
UniProt Primary Accession #	Q2RQE9
GenBank Nucleotide #	NC_007643.1

NCBI Official Full Name	flagellar basal body P-ring protein
NCBI Official Symbol	flgI
UniProt Protein Name	Flagellar P-ring protein
UniProt Synonym Protein Names	Basal body P-ring protein
Protein Family	Flagellar P-ring protein
UniProt Gene Name	flgI
NCBI Protein Information	flagellar basal body P-ring protein
UniProt Comments for flgI	Assembles around the rod to form the L-ring and probably protects the motor/basal body from shearing forces during rotation.
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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