# Flagellar P-Ring Protein (flgI) Agrobacterium Tumefaciens Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Flagellar P-ring protein (flgI), Recombinant Protein |
| **Full Product Name** | Recombinant Agrobacterium tumefaciens Flagellar P-ring protein (flgI) |
| **Product Gene Name** | flgI recombinant protein |
| **Product Synonym Gene Name** | flgI |
| **Sequence** | DTSRIKDIAS LQAGRDNQLI GYGLVVGLQG TGDSLRSSPF TEQSMRAMLQ NLGITTQGGQ SNAKNIAAVM VTANLPPFAS PGSRVDVTVS SLGDATSLRG GNLIMTSLSG ADGQIYAVAQ GALIVNGFSA QGDAATLTQG VTTSARVPNG AIIERELPSK FKDSVNLVLQ LRNPDFSTAV RVADVVNAFA RARYGDPIAE PRDSQEIAVQ KPRVADLTRL MAEIENLTVE TDTPAKVVIN ERTGTIVIGA DVRISRVAVS YGTLTVQVTE SPQVIQPAPF SRGQTAVQPQ TDIMAMQEGS KVAIVEGPDL RTLVAGLNSI GLKADGIIAI LQGIKSAGAL QAELVLQ |
| **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** | 38,968 Da |
| **Sequence Positions** | 27-373, 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 Q44340 |
| **Species** | Agrobacterium tumefaciens (strain C58 / 33970) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for flgI recombinant protein** | MBS1355846 is a recombinant protein targeting flgI. Also known as Recombinant Agrobacterium tumefaciens 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.

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| **NCBI GI #** | 15887896 |
| **NCBI GeneID** | 1132588 |
| **NCBI Accession #** | NP_353577.1 |
| **UniProt Primary Accession #** | Q44340 |
| **UniProt Related Accession #** | Q44340 |

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| **GenBank Nucleotide #** | NC_003062.2 |
| **NCBI Official Full Name** | flagellar 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 P-ring protein precursor |
| **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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