# Glucans Biosynthesis Protein G (opgG) Pseudomonas Aeruginosa Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Glucans biosynthesis protein G (opgG), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas aeruginosa Glucans biosynthesis protein G (opgG) |
| **Product Gene Name** | opgG recombinant protein |
| **Product Synonym Gene Name** | opgG |
| **Sequence** | FSIDDVASKA KDLAGDKYSA PTSNLPSEFS EMKFADYQQI RFINERAYWG KLKTPFKLSF YHQGMHFDTP VKINEVTATT VKPIKYDRTK FDFGSLKFDE NATKDLGYAG FRVLYPINKA DKQDEIATFL GASYFRVVGK GQVYGLSARG LAIDTALPSG EEFPRFREFW IERPKAQDKQ LVIYALLDSP RATGAYRFVL RPGKDAVMDV QARVFLRDKV SKLGLAPLTS MYLFGSNQPS EQHNFRPELH DSSGLQIHAG NGEWLWRPLN NPKHLSVSTF SVENPKGFGL LQRGREFSRY EDLDDRYDLR PSAWIEPKGD WGKGTVELVE IPTPDETNDN IVAFWNPETQ PEVGKPLDFA YRLHWTMDED ELHDPKSSWV KQTMRSVGDV KQKNLIRQQD GSTALVVDFE GPALKDLAPD APVTTQVSTD SNAEVVENSL RYNPVLKGWR LTLRIKVKDP KKPVEMRAAL VDEAQKPLSE TWSYQLPADE |
| **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** | 59,476 Da |
| **Sequence Positions** | 36-525, 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 Q9HUA5 |
| **Species** | Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for opgG recombinant protein** | MBS1357948 is a recombinant protein targeting opgG. Also known as Recombinant Pseudomonas aeruginosa Glucans biosynthesis protein G (opgG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of opgG 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 opgG. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15600271 |
| **NCBI GeneID** | 879629 |
| **NCBI Accession #** | NP_253765.1 |
| **UniProt Primary Accession #** | Q9HUA5 |

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| **UniProt Related Accession #** | Q9HUA5 |
| **GenBank Nucleotide #** | NC_002516.2 |
| **NCBI Official Full Name** | glucan biosynthesis protein G |
| **NCBI Official Symbol** | PA5078 |
| **UniProt Protein Name** | Glucans biosynthesis protein G |
| **UniProt Gene Name** | opgG |
| **NCBI Protein Information** | glucan biosynthesis protein G |
| **UniProt Comments for opgG** | 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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