
Product Data Sheet

Product Name: Flagellin
 Cat. No.: GP23503
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.

Amino Acid Sequence

MAQVINTNSL SLLTQNNLNK SQSALGTAIE RLSSGLRINS AKDDAAGQAI
 ANRFTANIKG LTQASRNAND GISIAQTTEG ALNEINNNLQ RVRELAVQSA
 NSTNSQSDLD SIQAEITQRL NEIDRVSGQT QFNGVKVLAQ DNTLTIQVGA
 NDGETIDIDL KQINSQTLGL DTLNVQQKYK VSDTAATVTG YADTTIALDN
 STFKASATGL GGTDQKIDGD LKFDDTTGKY YAKVTVTGGT GKDGYYEVS
 DKTNGEVTLA GGATSPLTGG LPATATEDVK NVQVANADLT EAKAALTAAG
 VTGTASVVKM SYTDNNGKTI DGGLAVKVGD DYYSATQNKD GSISINTTKY
 TADDGTSKTA LNKLGADGK TEVVSIGGKT YAASKAEGHN FKAQPDIAEA
 AATTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNL TSA
 RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH
 HHH

Solubility

It is recommended to reconstitute the lyophilized Flagellin in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Formulation Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Introduction

Flagellin arranges itself in a hollow cylinder to create the filament in bacterial flagellum. Flagellin is the key substituent of bacterial flagellum, and is found in large quantities on almost all flagellated bacteria.

Stability

Lyophilized Flagellin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Flagellin should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

Flagellin Salmonella typhimurium (strain ATCC 68169 / UK-1) Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 503 amino acids with Leu, Glu and a 6 × His at C-terminus and having a molecular mass of 52.7kDa. The Flagellin is purified by proprietary chromatographic techniques.

Salmonella typhimurium ATCC 68169/UK-1 Recombinant polypeptide chain containing 503 amino acids with Leu, Glu and 6 × His at C-terminus and having a molecular mass of 52.7kDa. Purified by proprietary chromatographic techniques.

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