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Flagellin

Flagellin Recombinant
RCP0859

Product Overview

Name	Flagellin

Description

Flagellin Recombinant

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

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

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.

Purity

Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

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 GKDGYYEVSV DKTNGEVTLA GGATSPLTGG LPATATEDVK NVQVANADLT EAKAALTAAG VTGTASVVKM SYTDNNGKTI DGGLAVKVGD DYYSATQNKD GSISINTTKY TADDGTSKTA LNKLGGADGK TEVVSIGGKT YAASKAEGHN FKAQPDLAEA AATTTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNLTSA RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLR LEHHH HHH

Solubility

It is recommended to reconstitute the lyophilized Flagellin in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Flagellin is for research use only and not for use in diagnostic or therapeutic procedures.