

32-3838: Flagellin Recombinant Protein

Description

Source : Escherichia Coli. Flagellin Salmonella typhimurium 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. 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.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	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.
Amino Acid :	MAQVINTNSL SLLTQNNLNK QSALGTAIE 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 GISISINTTKY TADDGTSKTA LNKLGADGK TEVVSIGGKT YAASKAEGHN FKAQPDLEA AATTTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNL TSA RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH HHH

Application Note

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.