

# Recombinant Flagellin, His

Catalog No: #AP60501

Package Size: #AP60501-1 10ug #AP60501-2 100ug #AP60501-3 500ug

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## Description

Product Name	Recombinant Flagellin, His
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Calculated MW	Approximately 52.7 kDa, a single non-glycosylated polypeptide chain containing 503 amino acids, with Leu, Glu and 6 x His at C-terminus.
Target Sequence	MAQVINTNSL SLLTQNNLNK QSALGTAIE RLSSGLRINS AKDDAAGQAI ANRFTANIKG LTQASRNAND GISAQTTEG ALNEINNNLQ RVRELAVQSA NSTNSQSDLD SIQAEITQRL NEIDRVSGQT QFNGVKVLAQ DNTLTIQVGA NDGETIDIDL KQINSQTLGL DTLNVQKQYK VSDTAATVTG YADTTIALDN STFKASATGL GGTDQKIDGD LKFDDTTGKY YAKVTVTGGT GKDGYYEVSV DKTNGEVTLA GGATSPLTGG LPATATEDVK NVQVANADLT EAKAALTAAG VTGTASVVKM SYTDNNGKTI DGGLAVKVGD DYYSATQNKD GSISINTTKY TADDGTSKTA LNKLGADGK TEVVSIGGKT YAASKAEGHN FKAQPDLEA AATTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNL TSA RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH HHH
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

Flagellin arranges itself in a hollow cylinder to form the filament in bacterial flagellum. It is the principal substituent of bacterial flagellum, and is present in large amounts on nearly all flagellated bacteria. Mammals often have acquired immune responses (T-cell and antibody responses) to flagellated bacterium and the plant defense mechanisms can be activated by the conserved N-terminal part of flagellin.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.