

Recombinant Flagellin protein FliA(H)

#R00594

Size: 100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

Flagellin protein FliA(H), also named RNA polymerase sigma factor for flagellar operon, Sigma F and Sigma-28, is belonging to the sigma-70 factor family or FliA subfamily. Sigma factors are initiation factors that promote the attachment of RNA polymerase to specific initiation sites and are then released. This sigma factor controls the expression of flagella-related genes. May regulate the expression of genes involved in virulence.

AA Sequence

MKGLKTGWIEKSVENIKTAYGIEPTGANKLKVTISDDG
AYGVLASVTPKTGEFELHIDSSDFEKGDGESGNNIHG
KLYDDRIIQHEMTHAVMNDALGIDKMNDLHDKNKLWF
IEGTAEAMAGADERVKDIIGNDTQTGIDNTKLSKLATR
ADALLNGVSWNSSDEDYAAGYLMVKYIASKGIDLKAV
MKEIKNTGASGLDNKIDLTNLKIDFKNNLENYIKDISKV
HLDWDDDEKDVGSILGSDHGHGDIKAEDVVKGTTP
KEQPLDKFKIWPDDNSDNTTGKIQLQVGANEGQSITI

LE

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	Q8RR94
Source	Escherichia coli.
Molecular Weight	Approximately 33.1 kDa, a single non-glycosylated polypeptide chain containing 302 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Data Not Available.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 0.1 EU/µg of rFliAH as determined by LAL method.