

## Recombinant Clostridium fliA protein

**Cat. No.** fliA-324C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Clostridium fliA protein(Q8RR94)(149-448 aa) was expressed in E.coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Clostridium                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 149-448 aa                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | Approximately 33.1 kDa, a single non-glycosylated polypeptide chain containing 302 amino acids.                                                                                                                                                                                                                                                             |
| <b>AASequence</b>       | MKGLKTGWIE KSVENIKTAY GIEPTGANKL KVTISDDGAY GVLASVTPKT<br>GEFELHIDSS DFEKGDGESG NNIHGKLYDD RIIQHEMTHA VMNDALGIDK<br>MNDLHDKNKL WFIEGTAEAM AGADERVKDI IGNDTQTGID NTKLSKLATR<br>ADALLNGVSW NSSDEDYAAG YLMVKYIASK GIDLKAVMKE IKNTGASGLD<br>NKIDLTNLKI DFKNNLENYI KDISKVHLDW DDDEKDVGSI LGSDHGHGDI<br>KAEDVVKGTT PEKEQPLDKF KIIWPDDNSD NTTGKIQLQV GANEGQSITI LE |
| <b>Endotoxin</b>        | Less than 0.1 EU/µg of rFliAH as determined by LAL method.                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >97% by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months                                                                                                                                                                                                                                                                             |

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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.

**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  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

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