Datasheet

Cat. No. P1655

Recombinant Flagellin protein FliA(H)

Information

Gene ID	
Accession #	Q8RR94
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 33.1 kDa, a single non-glycosylated polypeptide chain containing 302 amino acids.
AA Sequence	MKGLKTGWIE KSVENIKTAY GIEPTGANKL KVTISDDGAY GVLASVTPKT GEFELHIDSS DFEKGDGESG NNIHGKLYDD RIIQHEMTHA VMNDALGIDK MNDLHDKNKL WFIEGTAEAM AGADERVKDI IGNDTQTGID NTKLSKLATR ADALLNGVSW NSSDEDYAAG YLMVKYIASK GIDLKAVMKE IKNTGASGLD NKIDLTNLKI DFKNNLENYI KDISKVHLDW DDDEKDVGSI LGSDHGHGDI KAEDVVKGTT PEKEQPLDKF KIIWPDDNSD NTTGKIQLQV GANEGQSITI LE
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
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.
Biological Activity	Data Not Available.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	100μg	500μg
Recombinant Flagellin protein FliA(H)	100μg	500μg

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 °Cunder sterile conditions after reconstitution
- 3 months, -20 to -70°C under sterile conditions after reconstitution

Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/μg of rFliAH as determined by LAL method.

Description

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.

Reference

APExBIO Technology
www.apexbt.com
7505 Fannin street, Suite 410, Houston, TX 77054.
Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com