

## PrimeGene Technical Data Sheet

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<b>Catalog Number:</b>	6A6-06T
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 33.1 kDa, a single non-glycosylated polypeptide chain containing 302 amino acids.
<b>Quantity:</b>	20µg/100µg/1000µg
<b>AA Sequence:</b>	MKGLKTGWIE KSVENIKTAY GIEPTGANKL KVTISDDGAY GVLASVTPKT GEFELHIDSS DFEKGDGEGS NNIHGKLYDD RIIQHEMTHA VMNDALGIDK MNDLHDKNKL WFIEGTAEAM AGADERVKDI IGNDTQTGID NTKLSKLATR ADALLNGVSW NSSDEDYAAG YLMVKYIASK GIDLKAVMKE IKNTGASGLD NKIDLTLNLI DFKNNLENYI KDISKVHLDW DDDEKDVGSI LGSDDHGHGDI KAEDVVKGTT PEKEQPLDKF KIIWPDDNSD NTTGKIQLQV GANEGQSITI LE
<b>Purity:</b>	> 97 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Data Not Available.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Endotoxin:</b>	Less than 0.1 EU/µg of rFliAH as determined by LAL method.
<b>Reconstitution:</b>	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.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

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### *Flagellin protein FliA(H)*

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.