

Recombinant *Serratia Marcescens* HNS Protein (2-135 aa), His-tagged

Cat. No. HNS-2095S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Serratia Marcescens</i> HNS Protein (2-135 aa) is produced by <i>E. coli</i> expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length of Mature Protein.
Species	<i>Serratia Marcescens</i>
Source	<i>E. coli</i>
Protein Length	2-135 aa
Description	H-NS binds tightly to ds-DNA, increases its thermal stability and inhibits transcription. It also binds to ss-DNA and RNA but with a much lower affinity. H-NS has possible histone-like function. May be a global transcriptional regulator through its ability to bind to curved DNA sequences, which are found in regions upstream of a certain subset of promoters. It plays a role in the thermal control of pili production. It is subject to transcriptional auto-repression. It binds preferentially to the upstream region of its own gene recognizing two segments of DNA on both sides of a bend centered around -150 (By similarity).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	19.5 kDa
AA Sequence	SERLKILNNIRT LRAQARECTLEEMLEKLEV VVNERREEDSQAQAEIEERTRKLQ

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QYREMLIADGIDPNELLQTMAANKAAGKAKRARRPAKYQYKDENGELKTWTGQGR
TPAVIKKAIEEQGKSLDDFLL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name h-ns hn-s family DNA-binding protein [*Serratia marcescens*]

Official Symbol HNS

Synonyms hns; Histone-like protein HLP-II;

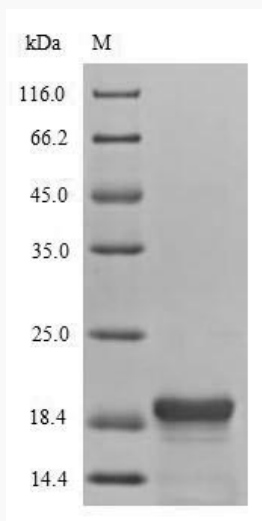
Gene ID 2653915

UniProt ID P18955

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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