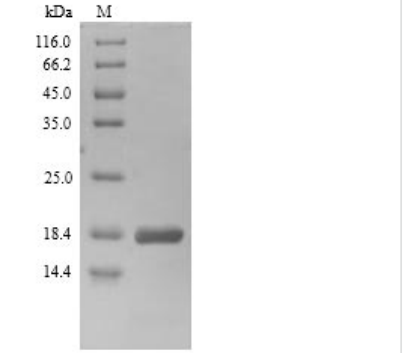
Recombinant SerRatia marcescens DNA-binding protein H-NS (hns)

Product Code	CSB-YP324759SYN
Relevance	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).
Abbreviation	Recombinant Serratia marcescens hns protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P18955
Alias	Histone-like protein HLP-II
Product Type	Recombinant Protein
Immunogen Species	Serratia marcescens
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SERLKILNNIRTLRAQARECTLETLEEMLEKLEVVVNERREEDSQAQAEIEERTRKLQQYREMLIADGIDPNELLQTMAANKAAGKAKRARRPAKYQYKDENGELKTWTGQGRTPAVIKKAIEEQGKSLDDFLL
Research Area	Microbiology
Source	Yeast
Target Names	hns
Protein Names	Recommended name: DNA-binding protein H-NS Alternative name(s): Histone-like protein HLP-II
Expression Region	2-135aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.5kDa
Protein Length	Full Length of Mature Protein
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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