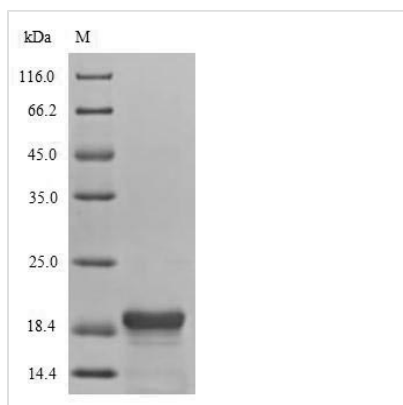


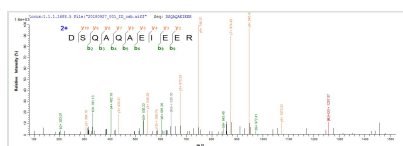


# Recombinant *Serratia marcescens* DNA-binding protein H-NS (hns)

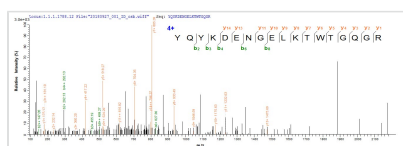
<b>Product Code</b>	CSB-EP324759SYN
<b>Relevance</b>	H-NS binds tightly to ds-DNA, increases its thermal stability and inhibits transcription. It also binds to ss-DNA and RNA but with a much lower affinity. H-NS has possible histone-like function. May be a global transcriptional regulator through its 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).
<b>Abbreviation</b>	Recombinant <i>Serratia marcescens</i> hns protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P18955
<b>Alias</b>	Histone-like protein HLP-II
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Serratia marcescens</i>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	SERLKILNNIRTLRAQARECTLETLEEMLEKLEVVNERRREEDSQAQAEIEERT RKLQQYREMLIADGIDPNELLQTMAANKAAGKAKRARRPAKYQYKDENGELK TWTGQGRTPAVIKKAIEEQGKSLDDFLL
<b>Research Area</b>	Microbiology
<b>Source</b>	E.coli
<b>Target Names</b>	hns
<b>Protein Names</b>	Recommended name: DNA-binding protein H-NS Alternative name(s): Histone-like protein HLP-II
<b>Expression Region</b>	2-135aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	19.5kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP324759SYN could indicate that this peptide derived from E.coli-expressed *Serratia marcescens* hns.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP324759SYN could indicate that this peptide derived from E.coli-expressed *Serratia marcescens* hns.

## 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

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.