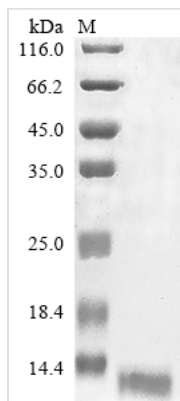




Recombinant Methanothermus fervidus DNA-binding protein HMf-2 (hmfB)

Product Code	CSB-EP322515MFF
Abbreviation	Recombinant Methanothermus fervidus hmfB 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.	P19267
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Proteins
Immunogen Species	Methanothermus fervidus
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MELPIAPIGRIIKDAGAERVSDDARITLAKILEEMGRDIASEAIKLARHAGRKTIKA EDIELAVRRFKK
Research Area	Cancer
Source	E.coli
Target Names	hmfB
Protein Names	Recommended name: DNA-binding protein HMf-2 Alternative name(s): Archaeal histone B
Expression Region	1-69aa
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	11.7 kDa
Protein Length	Full Length
Image	



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

Description

The process for recombinant *Methanothermobacter thermautotrophicus* hmfB protein synthesis in *E. coli* cells includes recombining the DNA fragment that encodes the *Methanothermobacter thermautotrophicus* hmfB protein (1-69aa) into expression vector, transforming the recombinant vector into *E. coli* cells, screening positive cells, cultivating and inducing cells, conducting cell lysis, and performing expression analysis. The resulting recombinant *Methanothermobacter thermautotrophicus* hmfB protein is purified from the cell lysate using affinity purification, with its purity exceeding 90% as determined by SDS-PAGE.

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.