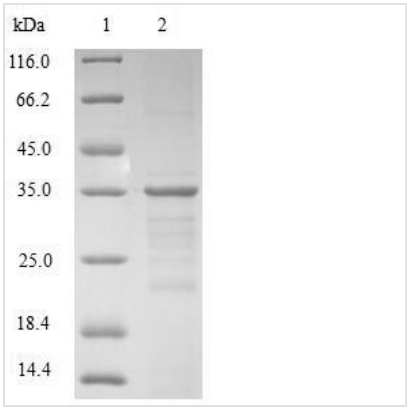
Recombinant Human Non-histone chromosomal protein HMG-17 (HMGN2)

Product Code	CSB-EP010570HU
Relevance	Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation
Abbreviation	Recombinant Human HMGN2 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.	P05204
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPKRKAEGDAKGDKAKVKDEPQRRSARLSAKPAPPKPEPKPKKAPAKKGEKV PKGKKGKADAGKEGNNPAENGDAKTDQAQKAEGAGDAK
Research Area	others
Source	E.coli
Target Names	HMGN2
Protein Names	Recommended name: Non-histone chromosomal protein HMG-17Alternative name(s): High mobility group nucleosome-binding domain-containing protein 2
Expression Region	1-90aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	36.4 kDa
Protein Length	Full Length
Image	



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

Description

The region for expressing recombinant Human HMGN2 contains amino acids 1-90. The theoretical molecular weight of the HMGN2 protein is 36.4 kDa. The HMGN2 protein was expressed in e.coli. The HMGN2 gene fragment has been modified by fusing the N-terminal GST tag, providing convenience in detecting and purifying the recombinant HMGN2 protein during the following stages.

The human non-histone chromosomal protein HMG-17, encoded by the HMGN2 gene, is involved in chromatin structure regulation and plays a role in transcriptional regulation. HMG-17 binds to nucleosomes and alters the structure of chromatin, affecting the accessibility of transcription factors to DNA. HMG-17 is known to influence gene expression, participating in both activation and repression of transcription. Additionally, it has been implicated in various cellular processes, including DNA repair and maintenance of genomic stability. Research on HMGN2 spans multiple areas, such as understanding its precise mechanisms in chromatin dynamics, its impact on gene regulation, and its potential implications in diseases like cancer. Investigations into HMGN2 contribute to unraveling the complex network of chromatin-associated proteins and their roles in cellular function.

Shelf Life

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