

Recombinant Human Histone H1 Protein

Catalog No.: RP03271 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3005	P07305

Tags

N-His

Synonyms

Histone H1; Histone H1.0; H1-0; H1F0;
H1FV; CPN60; GROEL; HLD4; HSP60;
HSP65; HSPD1; HuCHA60; SPG13

Product Information

Source	Purification
E.coli	≥ 90 % as determined by SDS- PAGE.

Calculated MW	Observed MW
22.4 kDa	25-30 kDa

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered
solution of 50 mM Tris, 600 mM NaCl, 1
mM DTT, pH 8.5. Contact us for
customized product form or formulation.

Reconstitution

Reconstituted with sterile deionized
water to 0.1-0.5 mg/mL.

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Histones H1 is the most variable histone and its role at the epigenetic level is less characterized than that of core histones. The lysine-rich H1 histone family in mammals includes eleven members. In higher eukaryotes, all H1 variants have the same general structure, consisting of a central conserved globular domain and less conserved N-terminal and C-terminal tails. These tails are moderately conserved among species, but differ among variants, suggesting a specific function for each H1 variant.

Basic Information

Description

Recombinant Human Histone H1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Lys194) of human Histone H1 (Accession #P07305) fused with His tag at the N-terminus.

Bio-Activity

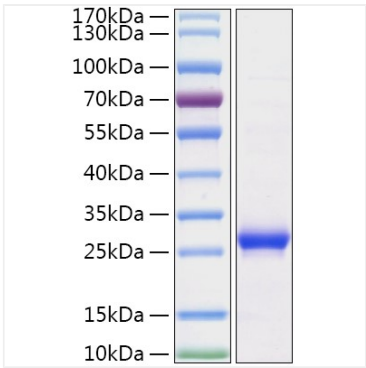
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Human Histone H1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.