

Recombinant Human Histone H1 Protein

Catalog No.: RP03271 **Recombinant**

Sequence Information

Species Human **Gene ID** 3005 **Swiss Prot** P07305

Tags

N-His

Synonyms

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

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Product Information

Source

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

Calculated MW

22.4 kDa

Observed MW

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.

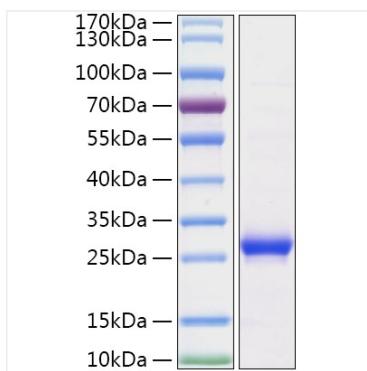
Reconstitution

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

Contact

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Validation Data



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