

Histone H1 Protein, Human (His)

Cat. No.:	HY-P74887
Synonyms:	Histone H1.0; Histone H1(0); H1-0; H1F0; H1FV
Species:	Human
Source:	E. coli
Accession:	P07305-1 (M1-K194)
Gene ID:	3005
Molecular Weight:	Approximately 27 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris, 600 mM NaCl, 1 mM DTT, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Histone H1 proteins play a vital role in condensing nucleosome chains into higher-order structures, contributing to the organization and compaction of chromatin. Notably, the histone H1.0 variant is predominantly present in cells undergoing terminal stages of differentiation or exhibiting low rates of cell division.
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Caution: Product has not been fully validated for medical applications. For research use only.

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