

Datasheet for ABIN7317720

Histone H1 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	Histone H1 (H1F0)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Histone H1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human H1F0/Histone H1 Protein (His Tag)
Sequence:	Met 1-Lys 194
Characteristics:	A DNA sequence encoding the human H1F0 (P07305) (Met 1-Lys 194) was expressed, with a polyhistide tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.

Target Details

Target:	Histone H1 (H1F0)
Alternative Name:	H1F0/Histone H1 (H1F0 Products)
Background:	Background: H1 histone family, member 0 (H1F0) is a member of the H1 histone family of nuclear proteins which are a component of chromatin in eukaryotic cells. It's involved in maintaining the structure of chromatin by packing the "beads on a string" sub-structure into a high order structure. The lysine-rich H1 histone family in mammals includes eleven members.

Target Details

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. Studies on the role of particular subtypes at specific developmental stages in lower eukaryotes, but also in vertebrates suggest that specific subtypes of H1 participate in particular systems of gene regulation.

Synonym: CPN60;GROEL;H10;H1FV;HLD4;HSP60;HSP65;HSPD1;HuCHA60;SPG13

Molecular Weight: 22.4 kDa

UniProt: [P07305](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 600 mM NaCl, 1 mM DTT, pH 8.5

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.