

Recombinant Human Histone Cluster 1, H1d

Cat. No. HIST1H1D-2133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	Histone H1.3 is a protein that in humans is encoded by the HIST1H1D gene. Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
Source/Host	E. coli.
Purity	≥95% (HPLC).
MW	~22kDa.
Formulation	Lyophilized.

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Solubility	Soluble in 100% ethanol, methanol, DMSO or aqueous solutions.
Long Term Storage	-20°C.
Handling	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	HIST1H1D histone cluster 1, H1d [Homo sapiens]
Synonyms	histone cluster 1, H1d; H1.3; H1F3; MGC138176; HIST1H1D; histone H1.3; histone H1c; histone 1, H1d; H1 histone family, member 3;Histone H1c
Gene ID	3007
mRNA Refseq	NM_005320
Protein Refseq	NP_005311
MIM	142210
UniProt ID	H1 histone family, member 3
Chromosome Location	6p21.3
Pathway	Apoptosis
Function	protein binding; DNA binding