

Recombinant Full Length Human Hist4H4 Protein, His-tagged

Cat. No. HIST4H4-229HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Histone H4 with a proprietary tag; Predicted MWt 37.44 kDa including tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	103 amino acids
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element.
Form	Liquid
Molecular Mass	37.440kDa inclusive of tags
AA Sequence	MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRG VLKVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRTLYGFGG

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Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	HIST4H4 histone cluster 4, H4 [Homo sapiens]
Official Symbol	HIST4H4
Synonyms	HIST4H4; histone cluster 4, H4; histone 4, H4; histone H4; MGC24116
Gene ID	121504
mRNA Refseq	NM_175054
Protein Refseq	NP_778224
MIM	615069
UniProt ID	P62805

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