

Recombinant Human HisT4H4, His-tagged

Cat. No. HIST4H4-29325TH **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	Wheat Germ
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.
Conjugation	HIS
Molecular Weight	37.440kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRG VLKVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRTLYGFGG

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
Uniprot ID	P62805
Chromosome Location	12p12.3
Pathway	Amyloids, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem;

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