

Recombinant Human HIST2H4A Protein, HIS-tagged

Cat. No. HIST2H4A-129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H4A fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrad e. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	11.2 kDa

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name HIST2H4A histone cluster 2, H4a [Homo sapiens]

Official Symbol HIST2H4A

Synonyms

HIST2H4A; histone cluster 2, H4a; H4 histone, family 2 , H4/n, H4F2, H4FN, HIST2H4, histone 2, H4 , histone 2, H4a; histone H4; histone 2, H4a; H4 histone, family 2; histone IV, family 2; H4 histone family, member N; H4; H4/n; H4F2; H4FN; FO108; HIST2H4; HIST4H4; HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4B;

Gene ID 8370

mRNA Refseq NM_003548

Protein Refseq NP_003539

MIM 142750

UniProt ID P62805

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