

Recombinant Human HIST1H3A protein

Cat. No. HIST1H3A-521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H3A was expressed in E. coli.
Species	Human
Source	E.coli
Description	A nucleosome is the basic repeating unit of chromatin in which 146 base pairs of DNA wrap twice around a histone octamer of two copies of each of the core histones, H2A, H2B, H3, and H4. The combination of two H2A/H2B dimers and one H3/H4 tetramer creat the nucleosome core. Histone H3 undergoes many modifications which include acetylation, methylation, an phosphorylation that are important for regulation of gene transcription.
Molecular Mass	15.5 kDa
Purity	> 95% as determined by SDS-PAGE
Reconstitution	50 mM sodium phosphate, PH 7.2, containing 100 mM sodium chloride, and 20% glycerol.

GENE INFORMATION

Gene Name	HIST1H3A histone cluster 1, H3a [Homo sapiens]
Official Symbol	HIST1H3A

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Synonyms	HIST1H3A; histone cluster 1, H3a; H3 histone family, member A , H3FA, histone 1, H3a; histone H3.1; H3/A; histone H3/a; histone H3/b; histone H3/c; histone H3/d; histone H3/f; histone H3/h; histone H3/i; histone H3/j; histone H3/k; histone H3/l; histone 1, H3a; H3 histone family, member A; H3FA;
Gene ID	8350
mRNA Refseq	NM_003529
Protein Refseq	NP_003520
MIM	602810
UniProt ID	P68431
Chromosome Location	6p22.1
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Gene expression, organism-specific biosystem; Hemostasis, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem;