

Recombinant Human HIST1H2AM Protein, GST-HIS-tagged

Cat. No. HIST1H2AM-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2AM fused with N-terminall GST and C-terminall His 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. 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 replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.
Form	25mM Tris, pH8.0,150mM NaCl,10% glycerol,1%Sarkosyl.
Molecular Mass	41.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	HIST1H2AM histone cluster 1 H2A family member m [Homo sapiens (human)]
Official Symbol	HIST1H2AM
Synonyms	H2A.1; H2A/n; H2AFN; dJ193B12.1; HIST1H2AM;
Gene ID	8366
mRNA Refseq	NM_003514
Protein Refseq	NP_003505
MIM	602796
UniProt ID	P0C0S8

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