

Recombinant Human H2AC18 Protein (Met1-Lys130), N-GST tagged

Cat. No. H2AC18-3207H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human H2AC18 (Met1-Lys130) protein fused with the N-GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys130
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 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.
Molecular Mass	40.94 kDa
Purity	>90 % as determined by SDS-PAGE.

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	H2AC18 H2A clustered histone 18 [Homo sapiens (human)]
Official Symbol	H2AC18
Synonyms	H2AC18; H2A clustered histone 18; H2A; H2A.2; H2A/O; H2A/q; H2AFO; H2AC19; H2a-615; HIST2H2AA; HIST2H2AA3; histone H2A type 2-A; H2A histone family, member O; H2A-clustered histone 19; histone 2, H2aa3; histone cluster 2 H2A family member a3; histone cluster 2, H2aa3
Gene ID	8337
mRNA Refseq	NM_003516
Protein Refseq	NP_003507
MIM	142720

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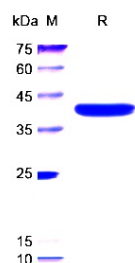
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UniProt ID

Q6FI13

SDS-PAGE



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