Recombinant Human H2AJ Protein (Gly3-Lys129), N-His tagged

Cat. No. H2AJ-3701H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human H2AJ (Gly3-Lys129) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly3-Lys129
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 located on chromosome 12 and encodes a replication-independent histone that is a variant H2A histone. The protein is divergent at the C-terminus compared to the consensus H2A histone family member. This gene also encodes an antimicrobial peptide with antibacterial and antifungal activity.
Molecular Mass	16.11 kDa
Purity	>90 % as determined by SDS-PAGE.

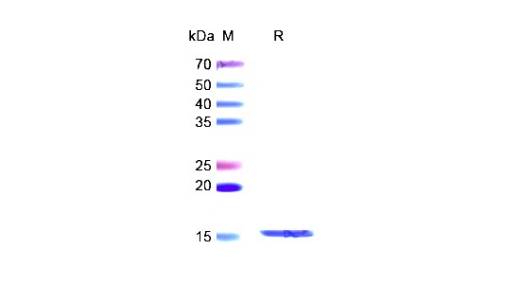
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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 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	H2AJ H2A.J histone [Homo sapiens (human)]
Official Symbol	H2AJ
Synonyms	H2AJ; H2A.J histone; H2AFJ; histone H2A.J; H2A histone family member J; H2a/j; buforin I
Gene ID	55766
mRNA Refseq	NM_177925
Protein Refseq	NP_808760
UniProt ID	Q9BTM1

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SDS-PAGE	

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