

Recombinant Human H2AFJ Protein (Gly3-Lys129), His tagged

Cat. No. H2AFJ-3700H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human H2AFJ (Gly3-Lys129) protein fused with 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	15.32 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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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	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
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	H2AFJ H2A histone family, member J [Homo sapiens (human)]
Official Symbol	H2AFJ
Synonyms	H2A histone family, member J; 14456; Ensembl:ENSG00000246705; MGC921, FLJ10903, FLJ52230; histone H2A.J;H2a/j; H2AJ
Gene ID	55766
mRNA Refseq	NM_177925
Protein Refseq	NP_808760
UniProt ID	Q9BTM1

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