9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

H2AFZ Human

H2A Histone Family, Member Z Human Recombinant
RCP0985

Product Overview

Name	H2AFZ Human
Description	
H2A Histone Family, Member Z Human Recombinant	
Accession (Primary)	P0C0S5
Synonyms	
H2A Histone Family, Member Z, H2AZ, H2A/z, H2A.Z-1, H2A.z, H2AZ Histone, Histone H2A.Z.	
Introduction	
Histone H2A.Z (H2AFZ) belongs to the histone H2A family. Histones are basic nuclear proteins which 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). H2AFZ is implicated in the formation of constitutive heterochromatin and vital for chromosome segregation during cell division. Moreover, variant Histone H2A, which takes the place of conventional H2A in a subset of nucleosomes. Studies in mice have demonstrated that this particular histone is essential for embryonic development and show that lack of functional histone H2A leads to embryonic lethality.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
H2AFZ protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAGGKAG KDSGKAKTKA VSRSQRAGLQ FPVGRIHRHL KSRTTSHGRV GATAAVYSAA ILEYLTAEVL ELAGNASKDL KVKRITPRHL QLAIRGDEEL DSLIKATIAG GGVIPHIHKS	

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Precautions

H2AFZ Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0C0S5)