9051 Mira Mesa Blvd, #910094
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H3F3A Human

H3 Histone Family 3A Human Recombinant
RCP0986

Product Overview

Name	H3F3A Human
Description	
H3 Histone Family 3A Human Recombinant	
Accession (Primary)	P84243
Synonyms	
RP11-396C23.1, H3.3A, H3F3, Histone H3.3, H3 Histone, Family 3A.	
Introduction	
H3F3A is a member of the histone H3 family. Histones are basic nuclear proteins which are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Histones play a significant role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated by a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Two molecules of each of the four core histones H2A, H2B, H3, and H4 form an octamer, around that 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
H3F3A protein solution (1mg/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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MARTKQT ARKSTGGKAP RKQLATKAAR KSAPSTGGVK KPHRYRPGTV ALREIRRYQK STELLIRKLP FQRLVREIAQ DFKTDLRFQS AAIGALQEAS EAYLVGLFED TNLCAIHAKR	

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Precautions

H3F3A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P84243)