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32-3935: H3F3A Recombinant Protein

Alternative Name : RP11-396C23.1,H3.3A,H3F3,Histone H3.3,H3 Histone,Family 3A.

Description

Source : Escherichia Coli. H3F3A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 159 amino acids (1-136 a.a) and having a molecular mass of 17.7kDa.H3F3A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	H3F3A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMARTKQT ARKSTGGKAP RKQLATKAAR KSAPSTGGVK KPHRYRPGTV ALREIRRYQK STELLIRKLP FQRLVREIAQ DFKTDLRFQS AAIGALQEAS EAYLVGLFED TNLCAIHAKR VTIMPKDIQL ARRIRGERA.

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