

H3F3A, 1-136aa, Human, His tag, E.coli

Cat.NO.: TP02389

3th Edition

Synonyms:Histone H3.3, H3.3A, H3F3

Description:Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which 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. H3F3A is a replication-independent member of the histone H3 family. Recombinant human H3F3A protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Molecular Weight:17.7kDa (159aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMARTKQTARKSTGGKAPRKQLATKAARKSAPSTGGVKKPHRYRPGTVALR
EIRRYQKSTELLIRKLPFQRLVREIAQDFKTDLRFQSAAGALQEASEAYLVGLFEDTNLCAIHAKRVTIMPKDIQLARR
IRGERA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.