

Product information



H3F3A, 1-136aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2083

Full name: Histone H3.3

NCBI Accession No.: NP_002098

Synonyms: H3.3A, H3F3

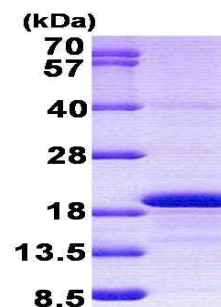
Description: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called 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)

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMARTKQT ARKSTGGKAP RKQLATKAAR KSAPSTGGVK KPHRYRPGTV ALREIRRYQK STELLIRKLP
FQRLVREIAQ DFKTDLRFQS AAIGALQEAS EAYLVGLFED TNLCAIHAKR VTIMPKDIQL ARRIRGERA

General references:

Tagami H., *et al.* (2004) *Cell*. 116:51-61

Daury L N., *et al.* (2006) *EMBO Rep*. 7:66-71

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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