

Recombinant Human H3 histone, family 3A, His-tagged

Cat. No. H3F3A-568H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	H3F3A, 1-136aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-136 a.a.
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 Mass	>90% by SDS - PAGE
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMARTKQT ARKSTGGKAP RKQLATKAAR KSAPSTGGVK KPHRYRPGTV ALREIRRYQK STELLIRKLP FQRLVREIAQ DFKTDLRFQS AAIGALQEAS EAYLVGLFED TNLCAIHA KR VTIMPKDIQL ARRIRGERA

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	H3F3A H3 histone, family 3A [Homo sapiens]
Official Symbol	H3F3A
Synonyms	H3F3A; H3 histone, family 3A; H3F3; histone H3.3; H3.3A; H3F3B; MGC87782; MGC87783;
Gene ID	3020
mRNA Refseq	NM_002107
Protein Refseq	NP_002098
MIM	601128
UniProt ID	P84243
Chromosome Location	1q42.12
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-

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specific biosystem; Gene Expression, organism-specific biosystem; Hemostasis, organism-specific biosystem;

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