Recombinant Human HIST3H3 protein

Cat. No. HIST3H3-902H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST3H3 was expressed in E. coli.
Species	Human
Source	E.coli
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.
Molecular Mass	15 kDa
Applications	Recombinant histone H3 is suitable for enzyme assays and nucleosome reconstitution.
Storage	Lyophilized proteins are stable for 2 years at -20 centigrade from date of shipment. Reconstitute with sterile distilled water and aliquot to avoid repeated freezing and thawing. Stable for 6 months at -80 centigrade after reconstitution.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	Reconstitute with distilled water prior to usage.

GENE INFORMATION

Gene Name	HIST3H3 histone cluster 3, H3 [Homo sapiens]
Official Symbol	HIST3H3
Synonyms	HIST3H3; histone cluster 3, H3; H3 histone family, member T , H3FT, histone 3, H3; histone H3.1t; H3/g; H3t; H3/t; histone 3, H3; H3 histone family, member T; H3.4; H3FT; MGC126886; MGC126888;
Gene ID	8290
mRNA Refseq	NM_003493
Protein Refseq	NP_003484
MIM	602820
UniProt ID	Q16695
Chromosome Location	1q42.13
Pathway	Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem; Meiotic Synapsis, organism-specific biosystem; Packaging Of Telomere Ends, organism-specific biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	DNA binding; protein binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA