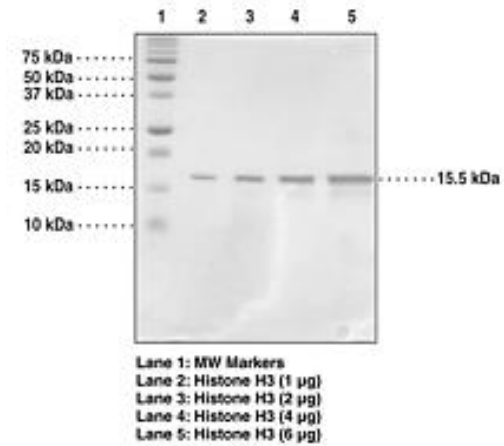


## Histone H3 (1-136 aa), Human recombinant

<b>CATALOG #:</b>	7670-100	100 µg
	7670-250	250 µg
<b>ALTERNATE NAMES:</b>	Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/l, Histone H3/j, Histone H3/k, Histone H3/l	
<b>SOURCE:</b>	E. coli	
<b>PURITY:</b>	≥95% by SDS - PAGE	
<b>MOL. WEIGHT:</b>	15.5 kDa (1-136 aa)	
<b>FORMULATION:</b>	Liquid. Supplied in H <sub>2</sub> O	
<b>STORAGE CONDITIONS:</b>	Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for ≥ 6 months.	

**DESCRIPTION:**

A nucleosome is the basic repeating unit of chromatin in which 146 base pairs of DNA wrap twice around a histone octamer consisting of two copies of each of the core histones, H2A, H2B, H3, and H4. The combination of two H2A/H2B dimers and one H3/H4 tetramer create the nucleosome core. Histone H3 undergoes many modifications which include acetylation, methylation, and phosphorylation that are important for regulation of gene transcription.



Human Recombinant H3

**RELATED PRODUCTS:**

- Histone Protein (**Cat. No. 1136-10**)
- Histone H2A (1-129 aa), Xenopus recombinant (**Cat. No. 7668-100, -250**)
- Histone H2B (1-123 aa), Xenopus recombinant (**Cat. No. 7669-100, -250**)
- Histone H4 (1-103 aa), Human recombinant (**Cat. No. 7671-100, -250**)
- Histone H2A Antibody (**Cat. No. 3621-100**)
- Histone H2AX Antibody (**Cat. No. 3761-100**)
- Histone H2B Antibody (**Cat. No. 3622-100**)
- Histone H3 Antibody (**Cat. No. 3623-100**)
- Histone H3 Peptide-Biotin Conjugate (**Cat. No. 2233-01, -1**)
- Histone H4 Antibody (**Cat. No. 3624-100**)
- Histone Methyltransferase (SUV39H1) Antibody (**Cat. No. 3942-100**)
- Acetyl-Histone H2A Antibody (**Cat. No. 3653-100**)
- Acetyl-Histone H2B Antibody (**Cat. No. 3654-100**)
- Acetyl-Histone H4 Antibody (**Cat. No. 3656-100**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**