

Core Histone (Hela)

CATALOG #: 7677-50 50 µg
7677-100 100 µg

ALTERNATE NAMES: HeLa Core Histones, Core Histone Octamer

FORM: An aqueous solution

SOURCE: Highly purified mixture of human core histones (H2A, H2B, H3, and H4) purified from HeLa cells. Histones are separated from DNA under high salt conditions.

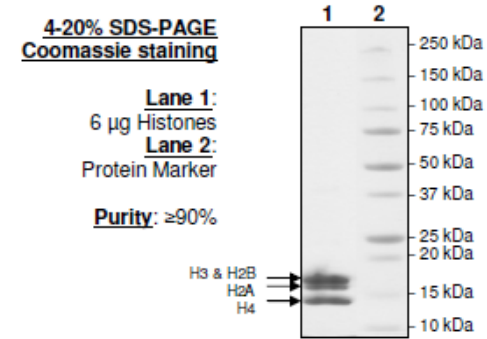
PURITY: ≥ 95% by SDS-PAGE

FORMULATION: 50 mM Na₂HPO₄/NaH₂PO₄, pH 6.8 and 2.5 M NaCl

STORAGE CONDITIONS: 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.

APPLICATIONS: Ideal as a substrate for methylation or acetylation studies or for screening inhibitors of epigenetic enzymes.



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 H3 (1-136 aa), Human recombinant (**Cat. No. 7670-100, -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.