

# TECHNICAL DATASHEET

# **Recombinant Histone H4**

Cat. No. C23010004
Source: E. coli
Lot #: 001
<b>Size:</b> 100 μg/ 100 μl
Concentration: 1 µg/µl
Specificity: Human

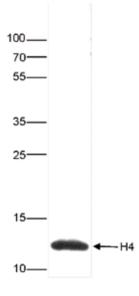
Purity: Purified using FPLC, >98% purity as determined by SDS-PAGE
Storage buffer: 20 mM sodium phosphate pH 7.0, 0.3 M NaCl, 1mM EDTA, 0.5 mM PMSF and 1 mM DTT.
Storage: Store at -80°C; guaranteed stable for 2 years from date of receipt when stored properly.
Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Description: Full length recombinant histone H4, produced in E. coli.

## Protein description

Histones are the main constituents of the protein part of chromosomes of eukaryotic cells. They are rich in the amino acids arginine and lysine and have been greatly conserved during evolution. Histones pack the DNA into tight masses of chromatin. Two core histones of each class H2A, H2B, H3 and H4 assemble and are wrapped by 146 base pairs of DNA to form one octameric nucleosome. Histone tails undergo numerous post-translational modifications, which either directly or indirectly alter chromatin structure to facilitate transcriptional activation or repression or other nuclear processes.

## Quality control



### Figure 1.

SDS page of the Recombinant Histone H4. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.

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