

Product datasheet

Native Human Histones protein ab176964

1 Image

Description

Product name	Native Human Histones protein
Purity	> 95 % SDS-PAGE.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human
Additional sequence information	Other Immunogen Type. Highly purified mixture of Human core histones (H2A, H2B, H3, and H4) isolated via hydroxyapatite chromatography from HeLa S3 (human cervical adenocarcinoma) nuclear pellet.

Specifications

Our **Abpromise guarantee** covers the use of **ab176964** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 7677 Core Histones (Human). 7677-50 is the same size as the 50 µg size of ab176964.</p> <p>Highly purified mixture of human core histones (H2A, H2B, H3, and H4) isolated via hydroxyapatite chromatography from HeLa S3 (human cervical adenocarcinoma) nuclear pellet.</p>

Preparation and Storage

Stability and Storage	<p>Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 6.90</p> <p>Constituents: 0.82% Sodium phosphate, 0.58% Sodium chloride, 0.0078% Beta mercaptoethanol</p>
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General Info

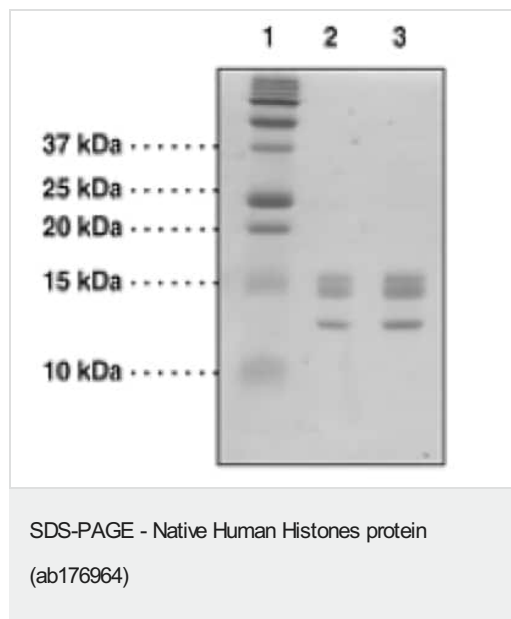
Relevance

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.

Cellular localization

Nuclear

Images



SDS-PAGE analysis of ab176964

Lane 1: Markers:

Lane 2: ab176964 (1 µg)

Lane 3: ab176964 (2 µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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