

Recombinant Human CENPA, His-tagged

Cat. No. CENPA-27391TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CENPA produced in Sf9 Insect cells with a 6x His tag, 17,015 Dalton.
Species	Human
Description	Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. CENPA encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. CENPA is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4) ₂ tetrameric core of the nucleosome particle. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Conjugation	HIS
Biological activity	CENPA-27391TH reacts with Scleroderma patient sera.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 6M Urea, 20mM HEPES, 100mM Sodium chloride, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze /

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thaw cycles.

**Sequence
Similarities**

Belongs to the histone H3 family.

Full Length

Full L.

GENE INFORMATION

Gene Name

CENPA centromere protein A [Homo sapiens]

Official Symbol

CENPA

Synonyms

CENPA; centromere protein A; centromere protein A (17kD) , centromere protein A, 17kDa; histone H3-like centromeric protein A; CENP A;

Gene ID

1058

mRNA Refseq

NM_001042426

Protein Refseq

NP_001035891

MIM

117139

Uniprot ID

P49450

**Chromosome
Location**

2p24-p21

Pathway

Aurora A signaling, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific

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biosystem;

Function

DNA binding; chromatin binding; protein binding;

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