CENPA
Recombinant Human Centromere Protein A His

Catalog No.	CRC151A	**Quantity:**	5 µg
	CRC151B		20 µg
	CRC151C		1.0 mg

Alternate Names: Histone H3-like centromeric protein A, Centromere protein A, CENP-A, Centromere autoantigen A, CENPA.

Description: Centromere proteins are a group of proteins which form and/or mediate the function of centromeres, the central structures of chromosomes to which spindle fibers/microtubuli attach and pull the chromosomes apart in cell division. Currently, 9 centromere proteins are known and designated CENPA to CENP-I. Most of the centromere proteins are targets of autoantibodies, the anti-centromere antibodies.
CENPA is another important centromeric autoantigen in addition to CENPB: it has a molecular weight of approx. 20 kDa and is incorporated into centromeric chromatin due to its histone-like properties. CENPA antibodies are an important marker for correct diagnosis of Scleroderma / CREST syndrome in CENPB-autoantibody negative patients.
CENPA Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 17,015 Dalton.
CENPA is expressed with a -6x His tag and purified by proprietary chromatographic techniques.

Gene ID: 1058

Source: Sf9 cells

Molecular Mass: 17.015 kDa

Formulation: Sterile filtered liquid in 20 mM HEPES, pH 8.0 + 100 mM sodium chloride + 6 M urea

Purity: > 90% as determined by SDS-PAGE analysis

Applications: Western-Blot with monoclonal anti-hexa-His-tag antibody & Scleroderma patient sera.

Coating Concentration: 0.15-0.4 µg/ml (depending on the type of ELISA plate and coating buffer).
Suitable for biotinylation and iodination.

Immunological Functions:
1. Binds IgG-type human auto-antibodies.
2. Standard ELISA test (checker-board analysis of positive/negative sera panels including CDC international reference sera).

Storage & Stability: Store at 2-4°C for up to 4 weeks or in working aliquots at -20°C for longer storage.
Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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