CENPB
Recombinant Human Centromere Protein B His

Catalog No.	CRC152A	**Quantity:**	5 µg
	CRC152B		20 µg
	CRC152C		1.0 mg

Alternate Names: Major centromere autoantigen B, Centromere protein B, CENP-B, CENPB.

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.
CENPB is the most important of the centromeric autoantigens: it has a molecular weight of approx. 66 kDa and plays an important role in the formation of the centromeric chromatin. CENPB antibodies are present in the sera of up to 80% of patients with CREST syndrome.
CENPB Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 65,940 Dalton.
CENPB is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

Gene ID: 1059

Protein Accession No: NP_001801

Source: Sf9 insect cells

Molecular Mass: 65.94 kDa

Formulation: Sterile filtered liquid in 20 mM HEPES, pH 7.6 + 250 mM sodium chloride + 20% glycerol

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

Endotoxin Level: < 0.1 ng/µg of CENPB

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).

Coating Concentration: 0.15-0.375 µg/ml (depending on the type of ELISA plate and coating buffer).
Suitable for biotinylation and iodination.

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