

Recombinant Human CENPB, His-tagged

Cat. No. CENPB-27393TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full length Human CENPB produced in Sf9 insect cells with a 6x His tag, 65,940 Dalton.
Species	Human
ProteinLength	1-599 aa
Description	This gene product is a highly conserved protein that facilitates centromere formation. It is a DNA-binding protein that is derived from transposases of the pogo DNA transposon family. It contains a helix-loop-helix DNA binding motif at the N-terminus, and a dimerization domain at the C-terminus. The DNA binding domain recognizes and binds a 17-bp sequence (CENP-B box) in the centromeric alpha satellite DNA. This protein is proposed to play an important role in the assembly of specific centromere structures in interphase nuclei and on mitotic chromosomes. It is also considered a major centromere autoantigen recognized by sera from patients with anti-centromere antibodies.
Conjugation	HIS
Biological activity	CENPB-27393TH reacts with Scleroderma patient sera.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 20% Glycerol, 250mM Sodium chloride, 20mM HEPES, pH 7.6
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CENPB centromere protein B, 80kDa [Homo sapiens]
Official Symbol	CENPB
Synonyms	CENPB; centromere protein B, 80kDa; centromere protein B (80kD); major centromere autoantigen B;
Gene ID	1059
mRNA Refseq	NM_001810
Protein Refseq	NP_001801
MIM	117140
Uniprot ID	P07199
Chromosome Location	20p13
Pathway	FOXO1 transcription factor network, organism-specific biosystem;

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Function

centromeric DNA binding; chromatin binding; satellite DNA binding; sequence-specific DNA binding;

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