

Recombinant Human CENPB cell lysate

Cat. No. CENPB-333HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CENPB centromere protein B, 80kDa [Homo sapiens]
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Official Symbol	CENPB
Synonyms	CENPB; centromere protein B, 80kDa; centromere protein B (80kD); major centromere autoantigen B; CENP-B; centromere autoantigen B;
Gene ID	1059
mRNA Refseq	NM_001810
Protein Refseq	NP_001801
MIM	117140
UniProt ID	P07199
Chromosome Location	20p13
Pathway	FOXN1 transcription factor network, organism-specific biosystem;
Function	DNA binding; centromeric DNA binding; chromatin binding; chromatin binding; satellite DNA binding; sequence-specific DNA binding;