

Recombinant Full Length Human CENPB Protein, GST-tagged

Cat. No. CENPB-3318HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CENPB full-length ORF (AAH53847.1, 1 a.a. - 599 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	599 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	92.29 kDa
AA Sequence	MGPKRRQLTFREKSRIIQEVEENPDLRKGEIARRFNIPPSTLSTILKNKRAILASERKY GVASTCRKTNKLSPPYDKLEGLLIAWFQQIRAAGLPVKGIILKEKALRIAEEELGMDDFTA SNGWLDRFRRRHGVVSCSGVARARARNAAPRTPAAPASPAAVPSEGSGGSTTGW RAREEQPPSVAEGYASQDVFSATETSLWYDFLPDQAAGLCGGDGRPRQATQRLSV

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Applications

Storage

Storage Buffer

GENE INFORMATION

Protein Refseq NP_001801



MIM	117140
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UniProt ID	P07199
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