

Full-Length

CENPB (Human) Recombinant Protein (P02)

Catalog # H00001059-P02

Size 50 ug

Specification

Product Description	Human CENPB full-length ORF (AAH53847.1, 1 a.a. - 599 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGPKRRQLTFREKSRIQVEENPDLRKGEIARRFNIPPSTLSTILKNKRAILASERKYGVASTCRKT NKLSPYDKLEGLLIWFQQIRAAAGLPVKGIILKEKALRIAEELGMDDFTASNGWLD RFRRRHGVVS CSGVARARARNAAPRTPAAPASPAAVPSEGSGGSTTGWRAREEQPPSVAEGYASQDVFSATE TSLWYDFLPDQAAGLCGGDGRPRQATQRLSVLLCANADGSEKLPPLVAGKSAKPRAGQAGLPC DYTANSKGGVTTQALAKYLKALDTRMAAESRRVLLLAGRLAAQSLDTSGLRHVQLAFFPPGTVHP LERGVVQQVKGHYRQAMLLKAMAALEGQDPSGLQLGLTEALHFVAAAWQAVEPSDIAACFREA GFGGGPNATITTSKSEGE EEEEEEEEEEEEEEGE EEEEEEEEEEGEGEELGEEEEVEE EGDVDSDEEEEEDEESSEGLEAEDWAQGVVEAGGSFGAYGAQEEAQCP TLHFLEGGEDSD SDSEEDDEEEDDEDEDDDDDEEDGDEVPVPSFGEAMAYFAMVKRYLTSFPIDDRVQSHLHL EHDLVHVTRKNHARQAGVRGLGHQS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	92.29
Interspecies Antigen Sequence	Mouse (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CENPB

Entrez GeneID [1059](#)

GeneBank Accession# [BC053847.1](#)

Protein Accession# [AAH53847.1](#)

Gene Name CENPB

Gene Alias -

Gene Description centromere protein B, 80kDa

Omim ID [117140](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000030132|centromere autoantigen B|centromere protein B|centromere protein B (80kD)