

## Product datasheet for TP308842M

### CENPB (NM\_001810) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human centromere protein B, 80kDa (CENPB), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208842 protein sequence  
Red=Cloning site Green=Tags(s)

MGPKRRQLTFREKSRIIQEVEENPDLRKGEIARRFNIPPSTLSTILKNKRAILASERKYGVASTCRKTNK  
 LSPYDKLEGLLIWFQQIRAAGLPVKGIILKEKALRIAEEELGMDDFASNGWLDLFRFRRHGVSCSGVAR  
 ARARNAAPRTPAAPASPAAVPSEGGSTTGWRAREEQPPSVAEGYASQDVFSATETSLWYDFLPDQAAG  
 LCGGDGRPRQATQRLSVLLCANADGSEKLPPLVAGKSAKPRAGQAGLPCDYTANSKGGVTTQALAKYLKA  
 LDTRMAAESRRVLLLAGRLAAQSLDTSGLRHVQLAFFPPGTVHPLERGVVQVKGHYRQAMLLKAMAALE  
 GQDPSGLQLGLTEALHFVAAAWQAVEPSDIAACFREAGFGGGPNATITTSKSEGESEEEEEEEEEEEEEEG  
 EGEEEEEGEEEEEGGEGEELGEEEEVEEEGDVDSDEEEEEDEESSEGLEAEDWAQGVVEAGGSFGAY  
 GAQEEAQPTLHFLEGGEDSDSDSEEDDEEEDDEDEDDEEDGDEVVPSFGTEAMAYFAMVKRYLTS  
 FPIDDRVQSHILHLEHDLVHVTRKNHARQAGVRGLGHQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 65 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.



[View online »](#)

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001801](#)

**Locus ID:** 1059

**UniProt ID:** [P07199](#)

**RefSeq Size:** 2856

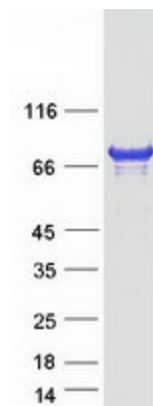
**Cytogenetics:** 20p13

**RefSeq ORF:** 1797

**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, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CENPB protein (Cat# [TP308842]). The protein was produced from HEK293T cells transfected with CENPB cDNA clone (Cat# [RC208842]) using MegaTran 2.0 (Cat# [TT210002]).