

Product datasheet for **TP308842L**

CENPB (NM_001810) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human centromere protein B, 80kDa (CENPB), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC208842 protein sequence
Red=Cloning site **Green**=Tags(s)

MGPKRRQLTFREKSRIIQEVEENPDLRKGEIARRFNIPPSTLSTILKNKRAILASERKYGVASTCRKTNK
LSPYDKLEGLLIWFQQIRAAGLPVKGIILKEKALRIAEEELGMDDFTASNGWLD RFRRRHGVSCSGVAR
ARARNAAPRTPAAPASPAAVPSEGGSGSTTGWRAREEQPPSVAEGYASQDVFSATETSLWYDFLPDQAAG
LCGGDGRPRQATQRLSVLLCANADGSEKLPPLVAGKSAKPRAGQAGLPCDYTANSKGGVTTQALAKYLKA
LDTRMAAESRRVLLLAGRLAAQSLDTSGLRHVQLAFFPPGTVHPLERGVVQVKGHYRQAMLLKAMAALE
GQDPSGLQLGLTEALHFVAAAWQAVEPSDIAACFREAGFGGGPNATITTSKSEGE EEEEEEEEEEEEEEG
EGEEEEEGEEEEEGGEGEELGEEEEVEEEGDVDSDEEEEEDEESSEGLEAEDWAQGVVEAGGSFGAY
GAQEEAQPTLHFLEGGEDSDSDSEEDDEEEDDEDEDDEEDGDEVVPVPSFGTEAMAYFAMVKRYLTS
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.



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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

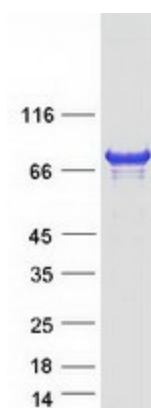
Cytogenetics: 20p13

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]).