

## Recombinant Mouse Cenpb Protein, MYC/DDK-tagged

**Cat. No.** Cenpb-878M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse centromere protein B (Cenpb), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Interacts with centromeric heterochromatin in chromosomes and binds to a specific 17 bp subset of alphoid satellite DNA, called the CENP-B box. May organize arrays of centromere satellite DNA into a higher-order structure which then directs centromere formation and kinetochore assembly in mammalian chromosomes. |
| <b>Molecular Mass</b>   | 65.4 kDa                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                         |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                    |

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## GENE INFORMATION

|                 |                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------|
| Gene Name       | Cenpb centromere protein B [ Mus musculus (house mouse) ]                                     |
| Official Symbol | Cenpb                                                                                         |
| Synonyms        | Cenpb; centromere protein B; CENP-B; major centromere autoantigen B; centromere autoantigen B |
| Gene ID         | 12616                                                                                         |
| mRNA Refseq     | NM_007682                                                                                     |
| Protein Refseq  | NP_031708                                                                                     |
| UniProt ID      | P27790                                                                                        |

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