

## Recombinant Human CENPM, His-tagged

**Cat. No.** CENPM-15887H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CENPM protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-180aa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays nucleosomes in which CENPA replaces histone H3. CENPM is an additional factor required for centromere assembly. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 22 kDa (203aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMVLRPL DKLPGLNTAT ILLVGTEDAL<br>LQQLADSMK EDCASELKVH LAKSLPLPSS VNRPRIDLIV FVNLHISKYS<br>LQNTTEESLRH VDASFFLGKV CFLATGAGRE SHCSIHRHTV VKLAHTYQSP<br>LLYCDLEVEG FRATMAQRLV RVLQICAGHV PGVSALNLLS LLRSSEGPSL EDL                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                      |                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | >85% by SDS - PAGE                                                                                                                          |
| <b>Applications</b>  | SDS-PAGE                                                                                                                                    |
| <b>Storage</b>       | Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b> | 0.25 mg/ml (determined by Bradford assay)                                                                                                   |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CENPM centromere protein M [ Homo sapiens ]                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>     | CENPM                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>            | CENPM; centromere protein M; C22orf18, chromosome 22 open reading frame 18; CENP M; MGC861; Pane1; interphase centromere complex protein 39; proliferation associated nuclear element 1; proliferation-associated nuclear element protein 1; PANE1; CENP-M; C22orf18; bK250D10.2; |
| <b>Gene ID</b>             | 79019                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_024053                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_076958                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 610152                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | Q9NSP4                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 22q13.2                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Pathway**

Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA