

**CENPM, 1-180aa, Human, His tag, E.coli**

**Cat.NO.: TP01579**

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3th Edition

**Synonyms:**Centromere protein M isoform a, bK250D10.2, C22orf18, CENP-M, PANE1

**Description:**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. Recombinant human CENPM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.

**Molecular Weight:**22 kDa (203aa), confirmed by MALDI-TOF

**Sequences:**

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.