

## 32-3506: CENPM Recombinant Protein

**Alternative Name :** Centromere Protein M, Interphase Centromere Complex Protein 39, Chromosome 22 Open Reading Frame 18, Proliferation Associated Nuclear Element 1, bK250D10.2, CENP-M, ICEN39, C22orf18, PANE1.

### Description

Source : Escherichia Coli. CENPM Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (1-180) and having a molecular mass of 22.0kDa. CENPM is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The CENPM solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMVLRPL DKLPGLNTAT ILLVGTEDEL LQQLADSMK  
EDCASELKVH LAKSLPLSS VNRPRIDLIV FVNLHSKYS LQNTESLRH VDASFFLGKV CFLATGAGRE  
SHCSIHRHTV VKLAHTYQSP LLYCDLEVEG FRATMAQRLV RVLQICAGHV PGVSALNLLS LLRSSEGPSL  
EDL

