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## Product Data Sheet

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Product Name: CENPM Human  
 Cat. No.: GP23123  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSVLRPL DKLPGLNTAT ILLVGTEDAL LQQLADSMK EDCASELKVH LAKSLPLPSS VNRPRIDLIV FVVNLHISKYS LQNTTEESLRH VDASFFLGKV CFLATGAGRE SHCSIHRHTV VKLAHTYQSP LLYCDLEVEG FRATMAQRLV RVLQICAGHV PGVSALNLLS LRSSEGPSL EDL		
Formulation	The CENPM solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.		

### Introduction

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.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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