

Recombinant Human CENPM, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CENPM protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-180aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	22 kDa (203aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVLRPL DKLPGLNTAT ILLVGTEDAL LQQLADSMK EDCASELKVH LAKSLPLPSS VNRPRIDLIV FVNLHISKYS LQNTESLRH VDASFFLGKV CFLATGAGRE SHCSIHRHTV VKLAHTYQSP LLYCDLEVEG FRATMAQRLV RVLQICAGHV PGVSALNLLS LLRSSEGPSL EDL

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CENPM centromere protein M [Homo sapiens]
Official Symbol	CENPM
Synonyms	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;
Gene ID	79019
mRNA Refseq	NM_024053
Protein Refseq	NP_076958
MIM	610152
UniProt ID	Q9NSP4
Chromosome Location	22q13.2

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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;

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