

Recombinant Human CENPM Protein, His-tagged

Cat. No. CENPM-19H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CENPM protein (1-180aa, 203aa), 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	1-180
Description	The protein encoded by this gene is an inner protein of the kinetochore, the multi-protein complex that binds spindle microtubules to regulate chromosome segregation during cell division. It belongs to the constitutive centromere-associated network protein group, whose members interact with outer kinetochore proteins and help to maintain centromere identity at each cell division cycle. The protein is structurally related to GTPases but cannot bind guanosine triphosphate. A point mutation that affects interaction with another constitutive centromere-associated network protein, CENP-I, impairs kinetochore assembly and chromosome alignment, suggesting that it is required for kinetochore formation. Alternative splicing results in multiple transcript variants.
Form	Liquid
Molecular Mass	22.1 kDa

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AA Sequence	MSVLRPLDKLPGLNTATILLVGTEDEALLQQLADSMKEDCASELKVHLAKSLPLPSSV NRPRIDLIVFVNLHSLKYSLQNTTEESLRHVDASFFLGKVCFLATGAGRESHCSIHRHT VVKLAHTYQSPLLYCDLEVEGFRATMAQRLVRVLQICAGHVPGVSA LNLLSLLRSSE GPSLEDL
Purity	> 85% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Bradford assay)
Storage Buffer	20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

GENE INFORMATION

Gene Name	CENPM centromere protein M [Homo sapiens (human)]
Official Symbol	CENPM
Synonyms	CENPM; centromere protein M; PANE1; CENP-M; C22orf18; centromere protein M; interphase centromere complex protein 39; proliferation-associated nuclear element protein 1
Gene ID	79019
mRNA Refseq	NM_024053
Protein Refseq	NP_076958

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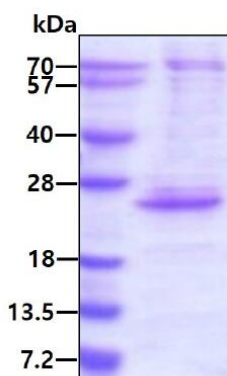
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MIM 610152

UniProt ID Q9NSP4

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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