Recombinant Human CENPM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CENPM-1418H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CENPM MS Standard C13 and N15-labeled recombinant protein (NP_076958) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	19.7 kDa
AA Sequence	MSVLRPLDKLPGLNTATILLVGTEDALLQQLADSMLKEDCASELKVHLAKSLPLPSSV NRPRIDLIVFVVNLHSKYSLQNTEESLRHVDASFFLGKVCFLATGAGRESHCSIHRHT VVKLAHTYQSPLLYCDLEVEGFRATMAQRLVRVLQICAGHVPGVSALNLLSLLRSSE

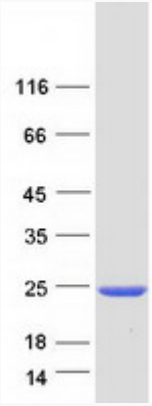
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	GPSLEDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CENPM centromere protein M [Homo sapiens (human)]
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

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UniProt ID	Q9NSP4
SDS-PAGE	

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