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Recombinant human CENPM protein

Catalog Number: ATGP4075

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-180aa

UniProt No.

O9NSP4

NCBI Accession No.

NP 076958

Alternative Names

Centromere protein M isoform a, bK250D10.2, C22orf18, CENP-M, PANE1

PRODUCT SPECIFICATION

Molecular Weight

22.1 kDa (203aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CENPM, also known as Centromere protein M is involved in centromere assembly and immune response. This protein is an inner protein of the kinetochore, the multi-protein complex that binds spindle microtubules to regulate chromosome segregation during cell division. It was originally identified as a gene highly expressed in b-catenin transformed mouse mammary tissue. CENPM protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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Amino acid Sequence

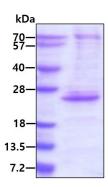
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General References

Brickner AG, Evans AM, et al. (2006). Blood. 107(9):3779-86. Bierie B, Edwin M, et al. (2004). Gene Expr Patterns. 4(4):389-95.

DATA

SDS-PAGE



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

