Recombinant human MIS12 protein

Catalog Number: ATGP1928

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-205aa

UniProt No.
Q9H081

NCBI Accession No.
NP_076944

Alternative Names
Protein MIS12 homolog, hMis12, KNTC2AP, MTW1

PRODUCT SPECIFICATION

Molecular Weight
26.5 kDa (228aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
Protein MIS12 homolog, also known as MIS12, is a component of the MIS12 complex, which is required for kinetochore formation during mitosis and normal chromosome alignment and segregation. The MIS12 complex consists of MIS12, DSN1, NSL1 and PMF-1. MIS12 is part of a network of complexes that provide microtubule attachment and generates pulling forces from depolymerization. Recombinant human MIS12 protein, fused to His-tag at N-terminus, was expressed in E. coli.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
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Amino acid Sequence

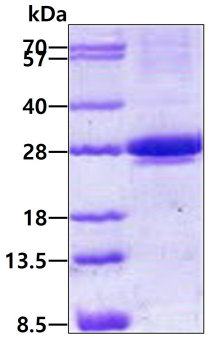
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General References

Kline S L., et al. (2006) J Cell Biol. 173:9-17.
Goshima G., et al. (2003) J Cell Biol. 160:25-39.

DATA

SDS-PAGE



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