

MIS12, 1-205aa Human, His tag, E.coli

Cat.NO.: TP02981

3th Edition

Synonyms:Protein MIS12 homolog, hMis12, KNTC2AP, MTW1

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol

Molecular Weight:26.5kDa (228aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSPDPMTYEAQFFGFTPQTCMLRIYIAFQDYLFQVEMQAVEQVILKKLDGIPD
CDISPVQIRKCTEKFLCFMKGHFDNLFSKMEQLFLQLILRIPSNILLPEDKCKETPYSEEDFQHLQKEIEQLQEKYKTE
LCTKQALLAELEEKIVQAKLKQTLTFFDELHNVGRDHGTSDFRESLVSLVQNSRKLQNIRDNVEKESKRLKIS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.