
Product Data Sheet

Product Name: MIS12 Human
 Cat. No.: GP23928
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	hMis12; KNTC2AP; MTW1; Protein MIS12 homolog.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSVDPMT YEAQFFGFTP QTCMLRIYIA FQDYLFVEMQ AVEQVILKKL DGIPDCDISP VQIRKCTEFK LCFMKGHFDN LFSKMEQLFL QLILRIPSNL LPEDKCKET PYSEEDFQHL QKEIEQLQEK YKTELCTKQA LLAELEEQKI VQAKLKQTLT FFDELHNVGR DHGTSDFRES LVSLVQNSRK LQNIRDNVEK ESKRLKIS.		
Formulation	MIS12 protein solution (1mg/ml) containing 20mM Tris-HCl buffer, (pH 8.0) ,2M Urea and10% glycerol.		

Introduction

Protein MIS12 Belongs to the mis12 family. MIS12 is an element of the MIS12 complex, which is necessary for kinetochore formation during mitosis and normal chromosome alignment and segregation. The MIS12 complex which comprised of MIS12,DSN1 , NSL1 and PMF-1. MIS12 is section of a network of complexes that supply microtubule attachment and generates pulling forces from depolymerization.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

MIS12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 228 amino acids (1-205 a.a.) and having a molecular mass of 26.5kDa.MIS12 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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