

MIS12 Human

Description: 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.

Catalog #: PRPS-029

For research use only.

Synonyms: hMis12, KNTC2AP, MTW1, Protein MIS12 homolog.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMVDPMT YEAQFFGFTP
QTCMLRIYIA FQDYLFEVMQ AVEQVILKKL DGIPDCDISP VQIRKCTEKF LCFMKGHFDN
LFSKMEQLFL QLILRIPSNI LLPEDKCKET PYSEEDFQHL QKEIEQLQEK YKTELCTKQA
LLAELEEQKI VQAKLKQTLT FFDELHNVGR DHGTSDFRES LVSLVQNSRK LQNIRDNVEK
ESKRLKIS.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

MIS12 protein solution (1mg/ml) containing 20mM Tris-HCl buffer, (pH 8.0), 2M Urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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