
Product Data Sheet

Product Name: NSL1 Human
 Cat. No.: GP24067
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NSL1 MIS12 Kinetochores Complex Component; NSL1 MIND Kinetochores Complex Component Homolog (<i>S. Cerevisiae</i>); Kinetochores-Associated Protein NSL1 Homolog; Chromosome 1 Open Reading Frame 48; C1orf48; MIS14.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGSPEL VLDPPWDKE LAAGTESQAL VSATPREDFR VRCTSKRAVT EMLQLCGRFV QKLGDALPEE IREPALRDAQ WTFESAVQEN ISINGQAWQE ASDNCFMDS IKVLEDQFDE IVDIATKRK QYPRKILECV IKTIKAKQEI LKQYHPVHP LDLKYDPDPA PHMENLKCRG ETVAKEISEA MKSLPALIEQ GEGFSQVLRM QPVIHLQRIH QEVFSSCHRK PDAKPENFIT QIETTPPTETA SRKTS DMVLK RKQTKDCPQR KWYPLRPKKI NLDT		
Formulation	The NSL1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

NSL1 holds two coiled-coil domains. NSL1 proteins, localized to kinetochores - chromosome associated structures which attach to microtubules and mediate chromosome movements throughout cell division. NSL1 is a fragment of a conserved protein complex that hold two chromodomain-containing proteins and a component of the outer plate of the kinetochores. NSL1 connect centromeric heterochromatin with the outer kinetochores structure. Several transcript variants are known to encode different isoforms for this gene.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NSL1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 304 amino acids (1-281) and having a molecular mass of 34.6kDa. NSL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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