

Recombinant Human NSL1, MIS12 kinetochore complex component, His-tagged

Cat. No. NSL1-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NSL1, 1-281aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-281 a.a.
Description	NSL1 is a protein with two coiled-coil domains that localizes to kinetochores, which are chromosome-associated structures that attach to microtubules and mediate chromosome movements during cell division. The protein is part of a conserved protein complex that includes two chromodomain-containing proteins and a component of the outer plate of the kinetochore. This protein complex is proposed to bridge centromeric heterochromatin with the outer kinetochore structure. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human NSL1 protein, fused to His-tag at N-terminus, was expressed in E.coli .
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol 0.4M Urea
Molecular Mass	34.6kDa (304aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGSPEL VVLDPPWDKE LAAGTESQAL VSATPREDFR VRCTSKRAVT EMLQLCGRFV QKLGDALPEE IREPALRDAQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

WTFESAVQEN ISINGQAWQE ASDNCFMDSK IKVLEDQFDE IIVDIATKRK
 QYPRKILECV IKTIAKQEI LKQYHPVVHP LDLKYDPDPA PHMENLKCRG
 ETVAKEISEA MKSLPALIEQ GEGFSQVLRM QPVIHLQRIH QEVFSSCHRK
 PDAKPENFIT QIETTPETETA SRKTSDMVLK RKQTKDCPQR KWYPLRPKKI NLDT

Purity >85% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [NSL1](#) [NSL1, MIND kinetochore complex component, homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol NSL1

Synonyms NSL1; NSL1, MIND kinetochore complex component, homolog (S. cerevisiae); C1orf48, chromosome 1 open reading frame 48; kinetochore-associated protein NSL1 homolog; DC8; DKFZP566O1646; MIS14; C1orf48; DKFZp566O1646;

Gene ID [25936](#)

mRNA Refseq [NM_001042549](#)

Protein Refseq [NP_001036014](#)

MIM [609174](#)

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UniProt ID	Q96IY1
Chromosome Location	1q41
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;
Function	protein binding;

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