# Recombinant human NSL1 protein

Catalog Number: ATGP2214

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-281aa

**UniProt No.**
Q96IY1

**NCBI Accession No.**
NP_056286

**Alternative Names**
Kinetochore-associated protein NSL1 homolog, NSL1, MIND kinetochore complex component, homolog (S. cerevisiae), C1orf48, DC8, MIS14

## PRODUCT SPECIFICATION

**Molecular Weight**
34.6 kDa (304aa)

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

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol 0.4M urea

**Purity**
> 85% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE,Denatured

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

**Amino acid Sequence**

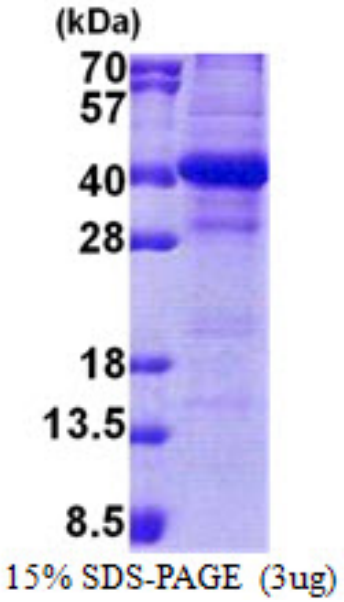
MGSSHHHHHH SSGLVPRGSH MGSMAGSPEL VVLDPPWDKE LAAGTESQAL VSATPREDFR VRCTSKRAVT EMLQLCGRFV QKLGDALPEE IREPALRDAQ WTFESAVQEN ISINGQAWQE ASDNCFMDSD IKVLEDQFDE IIVDIATKRK QYPRKILECV IKTIKAKQEI LKQYHPVVHP LDLKYDPDPA PHMENLKCRG ETVAKEISEA MKSLPALIEQ GEGFSQVLRM QPVIHLQRIH QEVFSSCHRK PDAKPENFIT QIETTPTETA SRKTSDMVLK RKQTKDCPQR KWYPLRPKKI NLDT

**General References**

Obuse, Chikashi
Iwasaki Osamu, et al.(Nov. 2004). Nat. Cell Biol. (England) 6 (11): 1135-41.

## DATA

**SDS-PAGE**




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.