

# Recombinant human NSL1 protein

Catalog Number: ATGP2214

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-281aa

### UniProt No.

Q96IY1

### NCBI Accession No.

NP\_056286

### Alternative Names

Kinetochores-associated protein NSL1 homolog, NSL1, MIND kinetochores complex component, homolog (S. cerevisiae), C1orf48, DC8, MIS14

## PRODUCT SPECIFICATION

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### 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

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### 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

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gene. Recombinant human NSL1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

## Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMAGSPEL VVLDPWDKE LAAGTESQAL VSATPREDFR VRCTSKRAVT  
EMLQLCGRFV QKLGDALPEE IREPALRDAQ WTFESAVQEN ISINGQAWQE ASDNCFMDSK IKVLEDQFDE IIVDIATKRK  
QYPRKILECV IKTIKAKQEI LKQYHPVVHP LDLKYDPDPA PHMENLKCRG ETVAKEISEA MKSLPALIEQ GEGFSQVLRM  
QPVIHLQRIH QEVFSSCHRK PDAKPENFIT QIETTPETETA SRKTSMDVLK RKQTKDCPQR KWYPLRPKKI NLDL

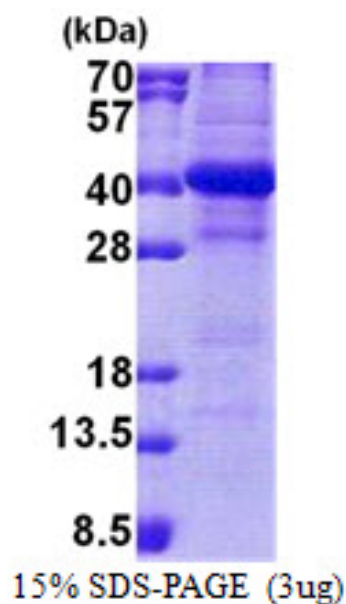
## General References

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.