

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

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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 SSGLVPRGSH MGSMAGSPEL VVLDPWDKE LAAGTESQAL VSATPREDFR VRCTSKRAVT
EMLQLCGRFV QKLGDALPEE IREPALRDAQ WTFESAVQEN ISINGQAWQE ASDNCFMDS IKVLEDQFDE IIVDIATKRK
QYPRKILECV IKTIKAKQEI LKQYHPVVHP LDLKYDPDPA PHMENLKCRG ETVAKEISEA MKSLPALIEQ GEGFSQVLRM
QPVIHLQRIH QEVFSSCHRK PDAKPENFIT QIETTPTETA SRKTSDMVLK RKQTKDCPQR KWYPLRPKKI NLD

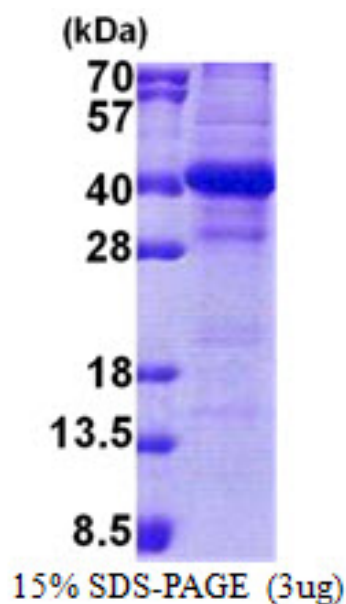
General References

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.