

## Recombinant Human NCL protein, His-tagged

Cat. No. NCL-05H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NCL fused with His tag was expressed in Yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Description</b>	Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.
<b>Form</b>	Lyophilized from 0.2 µ filtered PBS, pH 7.4
<b>Molecular Mass</b>	54.4 kD
<b>AA Sequence</b>	VKLAKAGKNQ GDPKKMAPPP KEVEEDSEDE EMSEDEEDDSSGEEVIPQK KGKKAATSA KKVVSPTKK VAVATPAKKA AVTPGKKAAA TPAKKTVTPA KAVTTPGKKG ATPGKALVATPGKKGAAIPA KGAKNGKNAK KEDSDEEEDD DSEEDEEDDEDEDEDEDEIE PAAMKAAAAA PASEDEDEDDED DEDEDEDDDDDEEDDSEEEAM ETTPAKGKKA AKVVPVKAKN VAEDEDEEEDDEDEDDDDDE DDEDDDDDED EEEEEEEEE PVKEAPGKRKKEMAKQKAAP EAKKQKVEGT EPTTAFNLFV GNLFNKSAPELKTGISDVF AKNDLAVVDV RIGMTRKFGY

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VDFESAEDLEKALELTGLKV FGNEIKLEKP KGKDSKKERD  
 ARTLLAKNLPYKVTQDELKE VFEDAAEIRL VSKDGKSKGI  
 AYIEFKTEADA EKTFEEKQG TEIDGRSISL YYTGEKGQNNQ DYRGGKNSTWS

**Storage** Long term: -80 centigrade; Short term: -20 centigrade. Avoid freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** NCL nucleolin [ Homo sapiens ]

**Official Symbol** NCL

**Synonyms** NCL; nucleolin; C23; FLJ45706; FLJ59041;

**Gene ID** 4691

**mRNA Refseq** NM\_005381

**Protein Refseq** NP\_005372

**MIM** 164035

**UniProt ID** P19338

**Chromosome Location** 2q12-qter

**Pathway** Aurora B signaling, organism-specific biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem; Pathogenic Escherichia coli infection, conserved biosystem; Regulation of Telomerase, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem; Validated targets of C-

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MYC transcriptional activation, organism-specific biosystem;

**Function**

DNA binding; RNA binding; nucleic acid binding; nucleotide binding; protein C-terminus binding; protein binding; telomeric DNA binding;

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