

Recombinant Human NCL protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human NCL fused with His tag was expressed in Yeast.
Species	Human
Source	Yeast
Description	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.
Form	Lyophilized from 0.2 µm filtered PBS, pH 7.4
Molecular Mass	54.4 kD
AA Sequence	VKLAKAGKNQ GDPKKMAPPP KEVEEDSEDE EMSEDEEDDSSGEEVIPQK KGKKAATSA KKVVSPTKK VAVATPAKKA AVTPGKKAAA TPAKKTVTPA KAVTTPGKKG ATPGKALVATPGKKGAAIPA KGAKNGKNAK KEDSDEEEDD DSEDEEDEDEDEDEDEDEIE PAAMKAAAAA PASEDEDDDED DEDDDDDDDEEDDSEEEAM ETTPAKGKKA AKVVPVKAKN VAEDEDEEEDDEDEDDDDDE DDEDDDDDED EEEEEEEEE PVKEAPGKRKKEMAKQKAAP EAKKQKVEGT EPTTAFNLFV GNLNFNKSAPELKTGISDVF AKNDLAVVDV RIGMTRKFGY

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VDFESAEDLEKALELTGLKV FGNEIKLEKP KGKDSKKERD
 ARTLLAKNLPYKVTQDELKE VFEDAAEIRL VSKDGKSKGI
 AYIEFKTEADA EKT FEEKQG TEIDGRSISL YYTGEKGQNQ 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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