Recombinant Human NCL protein, His-tagged

Cat. No. NCL-07H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCL containing the C-terminal section of the human nucleolin and missing the N-terminal histone-binding part of nucleolin, fused with His tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	Nucleolin (NCL) which is a eukaryotic nucleolar phosphoprotein, involved in the synthesis and maturation of ribosomes. Nucleolin is the key nucleolar protein of growing eukaryotic cells. NCL is found linked with intranucleolar chromatin and pre-ribosomal particles. NCL induces chromatin decondensation by binding to histone H1. Nucleolin is assumed to have a role in pre-rRNA transcription and ribosome compilation. Nucleolin may also have a role in the process of transcriptional elongation. Nucleolin is located primarily in the dense fibrillar regions of the nucleolus. The Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb.
Form	NCL is supplied in 20mM HEPES pH-7.3, 600mM NaCl, 0.3mM Tris(2-carboxyethyl)phosphine (TCEP) and 25% glycerol.
Molecular Mass	55,162 Dalton
Purity	Greater than 80.0% as determined by SDS-PAGE.

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Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time.Avoid multiple 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-MYC transcriptional activation, organism-specific biosystem;
Function	DNA binding; RNA binding; nucleic acid binding; nucleotide binding; protein C-

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