
Product Data Sheet

Product Name: NCL Human
Cat. No.: GP24016
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 Insect Cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nucleolin; Protein C23; NCL; C23.		
Formulation	NCL is supplied in 20mM HEPES pH-7.3, 600mM NaCl, 0.3mM Tris(2-carboxyethyl)phosphine (TCEP) and 25% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

Nucleolin Human Recombinant produced in SF9 is a glycosylated, polypeptide chain containing the C-terminal section of the human nucleolin and missing the N-terminal histone-binding part of nucleolin, having a calculated molecular mass of 55,162 Dalton. NCL is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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