

HUMAN NCL PROTEIN, HIS TAG

Cat.#: 11493

Product Name: Human NCL Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: C23;Nsr1

Target: NCL

UNIPROT ID: P19338

Description: Recombinant human NCL protein with N-terminal 6xHis tag

Background: Nucleolin (NCL), a eukaryotic nucleolar phosphoprotein, is involved in the synthesis and maturation of ribosomes. It is located mainly in dense fibrillar regions of the nucleolus. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. The intron 11 of the NCL gene encodes a small nucleolar RNA, termed U20. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 77.3 kDa after removal of the signal peptide. The apparent molecular mass of His-NCL is approximately 100–130 kDa due to glycosylation.

Molecular Characterization: 6×His tag NCL(Val2–Glu710)

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

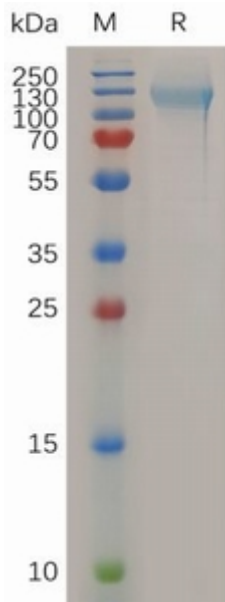


Figure 1. Human NCL Protein, His Tag on SDS-PAGE under reducing condition.