

Recombinant Mouse Nolc1 Protein, Myc/DDK-tagged

Cat. No. Nolc1-4457M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nucleolar and coiled-body phosphoprotein 1 (Nolc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification. Required for neural crest specification: following monoubiquitination by the BCR(KBTBD8) complex, associates with TCOF1 and acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification. Involved in nucleologenesis, possibly by playing a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus. It has intrinsic GTPase and ATPase activities.
Molecular Mass	73.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Nolc1 nucleolar and coiled-body phosphoprotein 1 [Mus musculus (house mouse)]
Official Symbol	Nolc1
Synonyms	NOLC1; nucleolar and coiled-body phosphoprotein 1; P130; NOPP130; NOPP140; AA408077; AA536818; AU046071; mKIAA0035; 3230402K17Rik
Gene ID	70769
mRNA Refseq	NM_001039352
Protein Refseq	NP_001034441
UniProt ID	E9Q5C9

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