

Product datasheet for TP300356

NOLC1 (NM_004741) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nucleolar and coiled-body phosphoprotein 1 (NOLC1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200356 protein sequence Red=Cloning site Green=Tags(s)

MADAGIRRVPDLYPLVLGFLRDNQLSEVANKFAKATGATQQDANASSLLDIYSFWLNRSKAVPERKLQ
ANGPVAKKAKKKASSSDSEDSSEEEEEVQGPAAKAAVPAKRVGLPPGKAAAKASESSSSESSDDDDDEE
DQKKQPVQKGVKPKAKAAKAPPKKAKSSSDSDSDSSSEDEPPKNQKPKITPVTVKAQTKAPPKPARAAPKI
ANGKAASSSSSSSSSSDDSEEEKAAATPKKTVPKKQVVAKAPVKAATTPTRKSSSEDSSSDEEEQK
KPMKNKPGPYSSVPPPSAPPPKSLGTQPPKAVEKQQPVESEDSSDESDDSSSEEEKPPTKAVVSKAT
TKPPPAKAAESSSDSSSDSSEDDEAPSKPAGTTKNSSNKPAVTTKSPAVKPAAPKQPVGGGQKLLTR
KADSSSSEEESSSEEEKTKKMVATTKPKATAKAALSLPAKQAPQGSRDSSSDSDSSSSEEEKTSKSA
VKKKPQKVAGGAAPSKPASAKKGAESSNSSSSDDSSSEEEELKKGKSPRPQAPKANGTSALTAQNGKA
AKNSEEEEEKKAADVVS KSGSLKRRKQNEAAKEAETPQAKKIKLQTPNTPFKRKKGEKRASSPFRRVR
EEEIEVDSRVADNSFDAKRGGAAGDWGERANQVLKFTKGKSRHEKTKKKRGSYRGGSSISVQVNSIKFDSE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

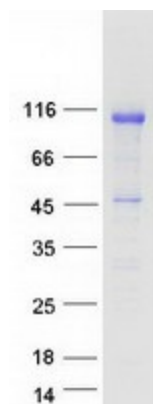
Tag:	C-Myc/DDK
Predicted MW:	73.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004732
Locus ID:	9221
UniProt ID:	Q14978 , Q96J17 , B2RAU8
RefSeq Size:	3947
Cytogenetics:	10q24.32
RefSeq ORF:	2100
Synonyms:	NOPP130; NOPP140; NS5ATP13; P130; Srp40
Summary:	Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification (PubMed:10567578, PubMed:26399832). 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 (PubMed:26399832). 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 (PubMed:9016786). It has intrinsic GTPase and ATPase activities (PubMed:9016786).[UniProtKB/Swiss-Prot Function]
Protein Families:	Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified NOLC1 protein (Cat# TP300356). The protein was produced from HEK293T cells transfected with NOLC1 cDNA clone (Cat# [RC200356]) using MegaTran 2.0 (Cat# [TT210002]).