

## Product datasheet for PH300356

### NOLC1 (NM\_004741) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NOLC1 MS Standard C13 and N15-labeled recombinant protein (NP_004732)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200356
Predicted MW:	73.7 kDa
Protein Sequence:	>RC200356 protein sequence Red=Cloning site Green=Tags(s)

MADAGIRRVVPSDLYPLVLGFLRDNQLSEVANKF AKATGATQQDANASSLLDIYSFWLNRS AKVPERKLQ  
ANGPVAKKAKKKASSDSEDSSEEEEEVQGPPAKKAAVPAKRVGLPPGKAAAKASESSSSESSDDDDDEE  
DQKKQPVQKGVKPAKAAKAPPKAKSSDSDSSSEDEPPKNQPKITPVTVKAQTKAPPKPARAAPKI  
ANGKAASSSSSSSSSSDDSEEEKAAATPKKTVPKKQVVAKAPVKAATTPTRKSSSEDSSSDEEEEQK  
KPMKNKPGPYSSVPPPSAPPPKSLGTQPPKAVEKQQPVESSEDSDESSESEEEKPPTKAVVSKAT  
TKPPPAKAAESSDSDSDSSEDEAPSKPAGTTKNSSNKPAVTTKSPAVKPAAPKQPVGQKLLTR  
KADSSSEEESSSSEEEKTKMVATTKPKATAKAAALSLPAKQAPQGSRDSSSDSDSSSEEEEEKTSKSA  
VKKKQKQVAGGAAPSKPASAKKGAESSNSSSSDSSSEEEEEKLKGKGSPPRPQAPKANGTSALTAQNGKA  
AKNSEEEEEKKKAAVVVSKSGSLKRRKQNEAAKEAETPQAKKIKLQTPNTFPKRKKGKGRASSPFRRVR  
EEEIEVDSRVADNSF DAKRGAAGDWGERANQVLKFTKGKSRHEKTKKRGSYRGGISVQVNSIKFDSE

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004732</a>
RefSeq Size:	3947



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RefSeq ORF: 2100

Synonyms: NOPP130; NOPP140; NS5ATP13; P130; Srp40

Locus ID: 9221

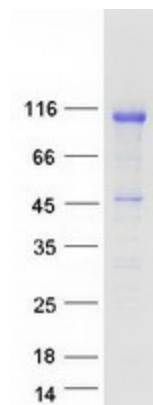
UniProt ID: [Q14978](#), [Q96J17](#), [B2RAU8](#)

Cytogenetics: 10q24.32

**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]).