

Datasheet for ABIN7554774  
**NOLC1 Protein (AA 1-699) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NOLC1
Protein Characteristics:	AA 1-699
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOLC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat NOLC1 Protein expressed in mammalian cells.
Sequence:	<p>MADAGIRRVV PSDLYPLVLG FLRDNQLSEV ANKFAKATGA TQQDANASSL LDIYSFWLKS            AKVPERKLQA NGPVAKKAKK KASSDSEDS SEEEEEVQGP PAKKAAPPAK RVGLPPGKAA            AKASESSSSE ESSDDDDDEED QKKQPVQKGV KPQAKAAKAP PKKAKSSDSD SDSSSEDEPP            KNQKPKITPV TVKAQTKAPP KPARAAPKIA NGKAASSSSS SSSSSSSDSD EEEKAAATPK            KTVPKKQVVA KAPVKAATTP TRKSSSSEDS SSDEEEEQKK PMKNKPGPYS SVPPPSAPPP            KKSLGTQPPK KAVEKQQPVE SSEDSSDESD SSSEEEKKPP TKAVVSKATT KPPPAKKAEE            SSSDSSSDSDS SEDDEAPSKP AGTTKNSSNK PAVTTKSPAV KPAAAPKQPV GGGQKLLTRK            ADSSSSEEEES SSSEEEKTKK MVATTKPKAT AKAALSLPAK QAPQGSRDSS SDSDSSSSEE            EEEKTSKSAV KKKPQKVAGG AAPSKPASAK KGKAESSNSS SSDDSSSEEEE EKLKGGKSPR            PQAPKANGTS ALTAQNGKAA KNSEEEEEEEK KKAHVVSWSKSLKRRKQNE AAKEAETPQA            KKIQLQTPNT FPKRKKGGEKR ASSPFRRVRE EEIEVDSRVA DNSFDAQRGA AGDWGERANQ</p>

## Product Details

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VLKFTKGKSF RHEKTKKKRG SYRGGISVQ VNSIKFDSE **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

NOLC1

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### Alternative Name:

NOLC1 ([NOLC1 Products](#))

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### Background:

Nucleolar and coiled-body phosphoprotein 1 (140 kDa nucleolar phosphoprotein) (Nopp140) (Hepatitis C virus NS5A-transactivated protein 13) (HCV NS5A-transactivated protein 13) (Nucleolar 130 kDa protein) (Nucleolar phosphoprotein p130),FUNCTION: 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

## Target Details

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(PubMed:26399832). Involved in nucleogenesis, 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). {ECO:0000269|PubMed:10567578, ECO:0000269|PubMed:26399832, ECO:0000269|PubMed:9016786}.

Molecular Weight: 73.6 kDa

UniProt: [Q14978](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months