

Product datasheet for **SC215546**

NOLC1 (NM_004741) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NOLC1 (NM_004741) Human 3' UTR Clone
Symbol:	NOLC1
Synonyms:	NOPP130; NOPP140; NS5ATP13; P130; Srp40
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004741
Insert Size:	1631 bp



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Insert Sequence: >SC215546 3'UTR clone of NM_004741
 The sequence shown below is from the reference sequence of NM_004741. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCAATTCATTAAAGTTTGACAGCGAGTGACCTGAGGCCATCTTCGGTGAAGCAAGGGTGATGATCGGA
GACTACTTACTTTCTCCAGTGGACCTGGGAACCCTCAGGTCTCTAGGTGAGGGTCTTGATGAGGACAGA
AGTTTAGAGTAGGTCCTAAGACTTTACAGTGTAACATCCTCTCTGGTCTTTTCTGTGTTCTAGTTTT
GTACAGACTTGTTTTGAGTGTTGAGTAGCAGGGACAAAATAAGGGAATGTTATTTTTAAGAAAATTC
ATTTTCATTGTTGTCCTTCTTTTCTGTGAAAGTCTCATACTGAGAAATTTGTATATTTATATTA
AATCACTACTATTGATTTTTGTGTGATTTCAAAGGTGGATCCACAGATAAAATCTGGCTATTG
CCCAAAACATAGTAAAGGTCACGTGTGACTTTTTATAATAGGAAGAAAATCTGCCTTTGTGAGTGCA
CATGTCCACATTTTCATCCCTCCTCCCTCAAACCTAGAGAGGGGCATTAAGAATTGTTGATGTATA
TGCAATGTCTGTTAAGCATGCACTATGTATTTTCATCCTCATTATTTGGGTCTGGGACTGAAGTTTTAG
CCAGCATGGACCTAACCTACTTTTTGGGATAAAATTTCTCTGTTTTGTACAGGCAAAATCTGGTATGG
CGTGAATGCCATGGGTCATTCTGAATATATTTTTTCTGTAATTTATCATTACACGATGTTTGCAATA
CGTGCTTTGTTTTTAATTTGAAAGCAAACCTTTCTACTGTTGAAAGACATTTTTTGACAACCTTGACCC
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ATGAGTTTGAAAATACATATCACTTGGTATTGCTGTCTTGGTGCAGTGGTGATACAGAATTGGTTTC
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CAATCCTCAGTAGGAAGGTAGATTACATTAGGTGAAATTAAGGTAATCTATGTATGTGCTAATGGGGT
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TATTGTGTCCTAGTTGGTACCTGGGAGCAATTGACATGCCCCCTTCAAGAACCTTAAGTGTAGTAC
AGTGGCTGTAACAACACAAACCAGTGACCAGAGATAACAGCTTTTAGCCAAGCTGGCCTGACGGTATG
GCTGCAGGAAGTACTGAGCAGTAGCGGTACTCAGCCAGACCAAGACGGAGAGGGAAGAGTCCACAGCT
TTCTGGAAGCTAAGGCATTCTGGTGGTAGAAAAGTGTGCCCAAGCCTTCATGGACGAGTTATAGGTCT
TAAGATTAGTCTCCTCTGTTTGGATTCCATACTTGCTAAATAACCTGATAATAACCTGGTTTTCCATG
TAACTGCCTCTAGGAAGAAAATGACTGTTTCATGCTGACACAGATATTTAGTCTGCATGGTAAAAGTT
CTAAATCTTACTACAAAATAATAAACTGGCTGGTTTATAATGTG
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004741.5](#)

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]

Locus ID: 9221

MW: 62.7