

Product datasheet for **RG200356**

NOLC1 (NM_004741) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOLC1 (NM_004741) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOLC1
Synonyms:	NOPP130; NOPP140; NS5ATP13; P130; Srp40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200356 representing NM_004741
 Red=Cloning site Blue=ORF Green=Tags(s)

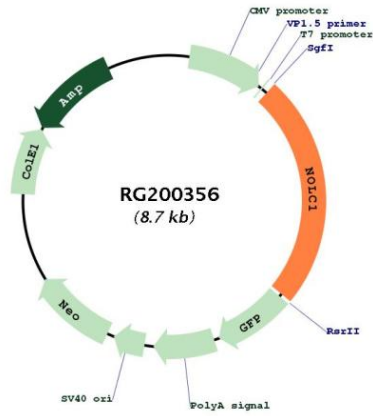
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGCCGCATTCCGCCGTGGTTCCAGCGACCTGTATCCCCTCGTGCTCGGCTTCTGCGCG
 ATAACCAACTCTCAGAGGTGGCCAATAAGTTCGCCAAAGCGACAGGAGCTACACAGCAGGATGCCAATGC
 CTCTTCCCTCTTAGACATCTATAGCTTCTGGCTCAACAGGTCTGCCAAGGTCCCAGAGCGAAAGTTACAG
 GCAATGGACAGTGGCTAAGAAAGCTAAGAAGAAGGCCTCATCCAGTGACAGTGAGGACAGCAGCGAGG
 AGGAGGAGGAAGTTCAAGGGCTCCAGCAAAGAAGGCTGCTGTACCTGCCAAGCGAGTCGGTCTGCCTCC
 TGGGAAGGCTGCAGCCAAAGCATCAGAGAGTAGCAGCAGTGAAGAGTCCAGTGATGATGATGATGAGGAG
 GACCAAAAGAAACAGCCTGTCCAGAAGGGAGTTAAGCCCCAAGCCAAGGCAGCCAAAGCTCCTCCTAAGA
 AGGCCAAGAGCTCTGATTCTGATTCTGACTCAAGCTCCGAGGATGAGCCACCAAAGAACCAGAAGCCAAA
 GATAACACCTGTGACAGTTAAAGCTCAGACTAAAGCCCCCTCCAAACCAGCTCGAGCAGCACCTAAAATA
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 AGCTACCACCCCTACCCGGAAGAGTTCTAGCAGTGAGGATTCCTCCAGTGACGAGGAAGAGGAGCAAAAA
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 TGATGAGTCTGATTCAAGTTCTGAAGAAGAGAAGAAACCCCAACTAAGGCAGTAGTCTCTAAAGCAACC
 ACTAAACCACCTCCAGCAAAGAAAGCAGCAGAGAGCTCTCAGACAGCTCAGACTCTGACAGCTCTGAGG
 ATGATGAAGTCCTTCTAAGCCAGCTGGTACCACCAAGAATTCTCAAATAAGCCAGCTGTACCACCAA
 GTCACCTGCAGTGAAGCCAGCTGCAGCCCCAAGCAACCTGTGGGCGGTGGCCAGAAGCTTCTGACGAGA
 AAGGCTGACAGCAGCTCCAGTGAGGAAGAGAGCAGCTCCAGTGAGGAGGAGAAGACAAAGAAGATGGTGG
 CCACCACTAAGCCCAAGGCGACTGCCAAAGCAGCTCTATCTGCTGCCAAGCAGGCTCCTCAGGGTAG
 TAGGGACAGCAGCTCTGATTAGACAGCTCCAGCAGTGAGGAGGAGGAAGAGAAGACATCTAAGTCTGCA
 GTTAAGAAGAAGCCACAGAAGGTAGCAGGAGGTGCAGCCCCTTCCAAGCCAGCCTCTGCAAAGAAAGGAA
 AGGCTGAGAGCAGCAACAGTTCTTCTTCTGATGACTCCAGTGAGGAAGAGGAAGAGAAGCTCAAGGGCAA
 GGGCTCTCCAAGACCACAAGCCCCAAGGCCAATGGCACCTCTGCACTGACTGCCAGAATGAAAAAGCA
 GCTAAGAACAGTGAGGAGGAGGAAGAAGAAAAGAAAAGGCGGCAGTGGTAGTTTCCAAATCAGGTTTCAT
 TAAAGAAGCGGAAGCAGAATGAGGCTGCCAAGGAGGCAGAGACTCCTCAGGCCAAGAAGATAAAGCTTCA
 GACCCCTAACACATTTCCAAAAAGGAAGAAAGGAGAAAAAAGGGCATCATCCCCATTCCGAAGGGTCAGG
 GAGGAGGAAATTGAGGTGGATTCACGAGTTGCGGACAACCTCTTTGATGCCAAGCGAGGTGCAGCCGGAG
 ACTGGGGAGAGCGAGCCAATCAGGTTTTGAAGTTCACCAAAGGCAAGTCTTTCCGCATGAGAAAACCAA
 GAAGAAGCGGGCAGCTACCGGGGAGGCTCAATCTCTGTCCAGGTCAATTCTATTAAGTTTGACAGCGAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004741.1, NP_004732.1</u>
RefSeq Size:	2502 bp
RefSeq ORF:	2100 bp
Locus ID:	9221
UniProt ID:	<u>Q14978</u>
Cytogenetics:	10q24.32
Domains:	SRP40_C
Protein Families:	Stem cell - Pluripotency
Gene 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]

Product images:



Circular map for RG200356