

Product datasheet for **MC218417**

Nolc1 (BC003244) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nolc1 (BC003244) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nolc1
Synonyms:	P130, NOPP130, NOPP140, mKIAA0035
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC003244 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGATACCGGCTTGCGCCGCTGGTTCCAGCGACCTTTATCCCCTGTGCTCAGATTTCTGCGGG
ATAGCCAACTCTCGGAGGTGGCCAGTAAATTTGCAAAAGCGACCCGGCGCTACACAGCAGGACGCCAATGC
CTCGTCCCTCTTGACATCTATAGCTTCTGGCTCAAGTCCACAAAGCCCAAAGGTGAAGTTACAGTCA
AATGGACCAGTGACCAAGAAGGCTAAGAAAGAGACTTCATCCAGTGACAGCAGTGAGGACAGCAGTGAGG
ACGAGGACAAAAAGCCAGGGACTTCCCACACAGAAGGCTGCCGCACAGGTCAAGCGAGCCAGTGTGCC
TCAGCATGCTGGAAAGGCAGCAGCCAAAGCTTCAGAGAGCAGCAGTAGTGAAGAATCCAGTGAGGAAGAG
GAAGAGGACAAAAAGAAAAGCCTGTCCAGAAGGCAGCTAAGCCCCAAGCCAAGGCAGTCAGACCTCCTG
CGAAGAAGGCAGAGAGCTCTGAGTCGGACTCAGACTCGGATTCGGACTCCAGTCAGAGGAAGAAACACC
ACAGACCCAGAAGCCAAGGCAGCTGTGGCAGCAAAAGCTCAGACTAAAGCCGAAGCCAACCCAGGTACA
CCAGCGAAAGCACAGCCTAAGGTAGCCAATGGCAAAGCAGCCGCCAGCAGCAGCAGCAGCAGCAGCA
GCAGCAGCGATGACTCAGAGGAAGAGAAGGCAGCTGCACCTCCCAAGAAGACTGTACCAAAAAAGCA
AGTCGTGGCCAAGGCCAGTGAAGTAGCTGCCGCCCCACCCAGAAGAGCTCCAGCAGTGAGGATTCT
TCCAGTGAAGAGGAGGAGGACAGAGACAACCCATGAAGAAAAAGCAGGTCCCTACAGTTCAGTTCAC
CACCCCTCTGTTCTTTACCAAGAAGTCCCGGGAACCCAGGCTCCAAAGAAAGTCTGCTGCGCAGACACA
GCCTGCAGACAGCAGTGACGACAGCAGTGACGATTCTGATTCAAGTTCAGGAAGAGAAAAACCTCCA
GCTAAGACGGTCGTCTCCAAGACACCCGCCAAAGCAGCTCCAGTGAAGAAGAAAGCAGAAAGCTCTTCAG
ACAGCTCGGGTAACGCTGCCAGAGCTCTGGGCTGCTGGGTAAGTCACTGCCTTGGGCTGCTTTACAGG
GCTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC003244
Insert Size:	1056 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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.
RefSeq:	<u>BC003244</u>
RefSeq Size:	1872 bp
RefSeq ORF:	1199 bp
Locus ID:	70769
Cytogenetics:	19 C3
Gene Summary:	<p>Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification (By similarity). 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 (By similarity). 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:11424213). It has intrinsic GTPase and ATPase activities (By similarity). [UniProtKB/Swiss-Prot Function]</p>