

Product datasheet for **RC200983**

NOC4L (NM_024078) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOC4L (NM_024078) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NOC4L
Synonyms:	NET49; NOC4; UTP19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC200983 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGAGCCGGGCGCCGGGAGTTCCGCCGGCTCTGGGCCGCCGGCTGGAGGCGGTGCTGGCGA
 GCCGCAGTGAGGCCAACGCCGTGTTGACATCCTGGCCGTGCTGCAGTCTGAGGACCAGGAGGAGATCCA
 GGAAGCAGTCCGCACGTGCAGCCGTCTTTTCGGGGCCTTGCTGGAGCGGGAGAGCTGTTTGTGGGCCAG
 CTGCCCTCTGAGGAGATGGTCATGACAGGGTCCAGGGAGCCACACGGAAGTACAAGGTGTGGATGAGAC
 ACCGCTATCACAGCTGCTGCAATCGCTTGGGAGAGCTCCTGGCCACCCCTCCTTTCAGGTCAAGGAGCT
 GGCCCTCAGCGCACTCTGAAGTTTGTGCAGCTGGAAGGAGCGCACCCCTGGAGAAGTCCAAGTGGGAA
 GGCAACTACCTGTTCCCCGAGAGCTCTTCAAGTTGGTGGTGGGAGGCCTGCTGTCTCTGAGGAGGACC
 AGAGCCTGCTCCTGTCCAGTTCGGGAGTACCTGGACTACGACGACACCCGCTACCACACCATGCAGGC
 AGCCGTGGATGCCGTGGCCCGGGTCACTGGCCAGCACCCGAGGTGCCCCCGCCTTTTGAACAATGCC
 TTCACGCTGCTGTCTGCCGTGAGCTGCCCGCCGGGAGCCACCGTCTCCAGCTTCTATGTGAAGCGGG
 CGGAGCTGTGGACACCTGGAAGTTGCTCACCTGAAGGAGCACAGGAGGTTTTCCAGGCCATGTGGCT
 CAGCTTCTCAAGCACAAGCTGCCCCCTCAGCCTCTACAAGAAGGTGCTGCTGATTGTGCATGACGCCATC
 CTGCCGCAGCTGGCGCAGCCACGCTCATGATCGACTTCTCACCCGCGCTGCGACCTCGGGGGGGCCC
 TCAGCCTCTTGGCCTTGAAAGGGCTGTTTCATCTTGATTCAAAACACAACCTGGAGTACCCTGACTTCTA
 CCGGAAGCTCTACGGCCTTGGACCCCTCTGTCTTTCAGTCAAGTACCGCGCCGCTTCTTCCACCTG
 GCTGACCTCTTCTGTCTCTCCACCTCCCCGCTACCTGGTGGCCGCTTCGCAAGCGGCTGGCCC
 GCCTGGCCCTGACGGCTCCCCCTGAGGCCCTGCTCATGGTCTGCCTTTCATCTGAACCTGCTGCGCCG
 GCACCTGCCTGCCGGGTCTCTGTGCACCGTCCACACGGCCTGAGTTGGACGCCGACCCCTACGACCT
 GGAGAGGAGGACCCAGCCAGAGCCGGGCTTGGAGAGTCCCTGTGGAGCTTACGGCCCTCCAGCGCC
 ACTACCACCTGAGGTGTCAAAGCCGCCAGCGTCATCAACCAGGCCCTGTCCATGCCTGAGGTACGAT
 CGCGCCACTGCTGGAGCTACGGCCTACGAGATCTTTGAGCGGGACCTGAAGAAGAAGGGGCCGAGCCG
 GTGCCACTGGAGTTATCCAGCCAGGGCCTGCTGGGACGGCCGGGTGAACCTGTGCCCAGCACTTCA
 CGCTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200983 protein sequence
 Red=Cloning site Green=Tags(s)

MEREPGAAGVRRALGRRLEAVLASRSEANAVFDILAVLQSEDQEEIQEAVRTCSRLFALLERGERLFGVQ
 LPSEEMVMTGSQGATRKYKVMRHRHSCNRLGELLGHPSFQVKELALSALLKFVQLEGAPLEKSKWE
 GNYLFPRELFKL VVGGLLSPEEDQSLLLSQFREYLDYDDTRYHTMQAAVDAVARVTGQHPEVPPAFWNNA
 FTLLSAVSLPRREPTVSSFYVKRAELWDTWKVAHLKEHRRVFQAMWLSFLKHKLP LSLYKKVLLIVHDAI
 LPQLAQPTLMIDFLTRACDLGGALSLLALNGLFILIHKNLEYPDFYRKLYGLLDPSVFHVKYRARFFHL
 ADLFLSSSHLPAYLVAFAKRLARLALTAPPEALLMVLPICNLLRRHPACRVLVHRPHGPELDADPYDP
 GEEDPAQSRALESSLWELQALQRHYHPEVSKAASVINQALSMPEVSIAPLLELTAYEIFERDLKKKGPEP
 VPLEFIPAQGLLGRPGLCAQHFTLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6388_b02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_024078

ORF Size: 1548 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_024078.1](#), [NP_076983.1](#)

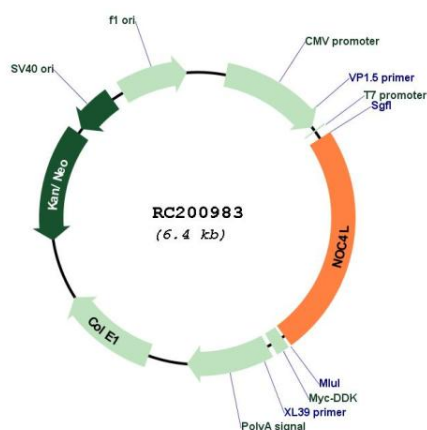
RefSeq Size: 1682 bp

RefSeq ORF: 1551 bp

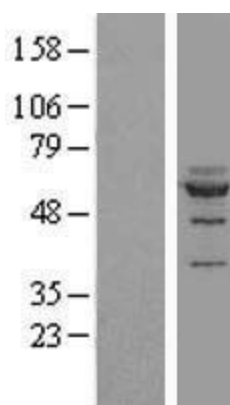
Locus ID: 79050

UniProt ID: [Q9BVI4](#)
 Cytogenetics: 12q24.33
 MW: 58.5 kDa

Product images:



Circular map for RC200983



Western blot validation of overexpression lysate (Cat# [LY411334]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200983 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).