

Product datasheet for **RG200983**

NOC4L (NM_024078) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOC4L (NM_024078) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOC4L
Synonyms:	NET49; NOC4; UTP19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200983 representing NM_024078
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGCGGGAGCCGGGCGCGGGAGTTCGCCGGGCTCTGGGCGCGGGCTGGAGGCGGTGCTGGCGA
 GCCGAGTGAGGCCAACGCCGTGTTGACATCCTGGCCGTGCTGAGTCTGAGGACCAGGAGAGATCCA
 GGAAGCAGTCCGACGTGCAGCCGTCTTTTCGGGGCCTTGCTGGAGCGGGAGAGCTGTTTGTGGCCAG
 CTGCCCTCTGAGGAGATGGTCATGACAGGGTCCCAGGGAGCCACACGGAAGTACAAGGTGTGGATGAGAC
 ACCGCTATCACAGCTGCTGCAATCGCTTGGGAGAGCTCCTGGGCCACCCCTCCTTTCAGGTCAAGGAGCT
 GGCCCTCAGCGCACTCTGAAGTTTGTGACGTGGAAGGAGCGCACCCCTGGAGAAGTCCAAGTGGAA
 GGCAACTACCTGTTCCCCGAGAGCTCTTCAAGTTGGTGGTGGGAGGCTGCTGTCTCTGAGGAGGACC
 AGAGCCTGCTCTGTCCAGTTCGGGAGTACCTGGACTACGACGACACCCGCTACCACACCATGCAGGC
 AGCCGTGGATGCCGTGGCCCGGGTCACTGGCCAGCACCCGAGGTGCCCCCGCCTTTTGAACAATGCC
 TTCACGCTGCTGTCTGCCGTGAGCTGCCCGCCGGGAGCCACCGTCTCCAGCTTCTATGTGAAGCGGG
 CGGAGCTGTGGACACCTGGAAGTTGCTCACCTGAAGGAGCACAGGAGGTTTTCCAGGCCATGTGGCT
 CAGCTTCTCAAGCACAAGCTGCCCCCTCAGCCTCTACAAGAAGGTGCTGCTGATTGTGCATGACGCCATC
 CTGCCGACAGTGGCGCAGCCACGCTCATGATCGACTTCTCACCCGCGCCTGCGACCTCGGGGGGGCCC
 TCAGCCTCTTGGCCTTGAACGGGCTGTTTCATCTTGATTACAAACACAACCTGGAGTACCCTGACTTCTA
 CCGGAAGCTCTACGGCCTTGGACCCCTCTGTCTTTCAGTCAAGTACCGCGCCGCTTCTTCCACCTG
 GCTGACCTCTTCTGTCTCTCCACCTCCCCGCTACCTGGTGGCGCCTTCGCAAGCGGCTGGCCC
 GCCTGGCCCTGACGGCTCCCCCTGAGGCCCTGCTCATGGTCTGCCTTTCATCTGAACCTGCTGCGCCG
 GCACCTGCCTGCGGGTCTCTGTCACCGTCCACACGGCCTGAGTTGGACGCCGACCCCTACGACCT
 GGAGAGGAGGACCCAGCCAGAGCCGGGCTTGGAGAGTCCCTGTGGAGCTTACGGCCCTCCAGCGCC
 ACTACCACCTGAGGTGTCCAAGCCGCCAGCGTCATCAACCAGGCCCTGTCCATGCCTGAGGTACGAT
 CGCGCCACTGCTGGAGCTACGGCCTACGAGATCTTTGAGCGGGACCTGAAGAAGAAGGGGCCGAGCCG
 GTGCCACTGGAGTTATCCAGCCAGGGCCTGCTGGGACGGCCGGTGAAGTCTGTGCCAGCACTTCA
 CGCTCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200983 representing NM_024078
 Red=Cloning site Green=Tags(s)

MEREPGAAGVRRALGRRLEAVLASRSEANAVFDILAVLQSEDQEEIQEAVRTCSRLFGALLERGELFVGQ
 LPSEEMVMTGSQGATRKYKVMRHRHSCCNRLGELLGHPSFQVKELALSALLKFVQLEGAHPLEKSKWE
 GNYLFPRELFKL VVGGLLSPEEDQSLLLSQFREYLDYDDTRYHTMQAAVDAVARVTGQHPVPPAFWNA
 FTLLSAVSLPRREPTVSSFYVKRAELWDTWKVAHLKEHRRVFQAMWLSFLKHKLP LSLYKKVLLIVHDAI
 LPQLAQPTLMIDFLTRACDLGGALSLLALNGLFILIHKNLEYPDFYRKLYGLLDPSVFHVKYRARFFHL
 ADLFLSSSHLPAYLVAFAKRLARLALTAPPEALLMVLPICNLLRRHPACRVLVHRPHGPELDADPYDP
 GEEDPAQSRALESSLWELQALQRHYHPEVSKAASVINQALSMPEVSIAPLLELTAYEIFERDLKKKGPEP
 VPLEFIPAQGLLGRPGELCAQHFTLS

TRTRPLE – GFP Tag – V

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

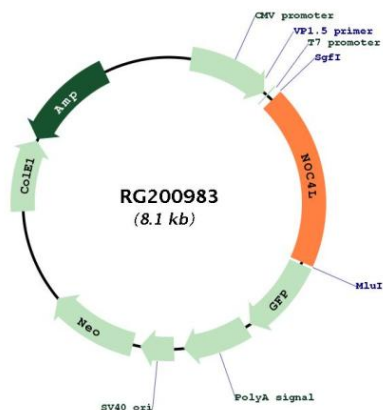
RefSeq ORF: 1551 bp

Locus ID: 79050

UniProt ID: [Q9BVI4](#)

Cytogenetics: 12q24.33

Product images:



Circular map for RG200983