

Product datasheet for RC231179

NOL4 (NM_001198549) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | NOL4 (NM_001198549) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | NOL4 |
| Synonyms: | CT125; HRIHFB2255; NOLP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC231179 representing NM_001198549 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGACTCCAACAGTGATGGCAAACCTGGGCTGGAGCAAGATGAACAGCCACTGAACCTGAGTGACA
GTCCCCTCTGCGCAGCTAACTTCGGAATACAGAATAGATGATCACAACAGTAATGGGAAAAACAAGTA
TAAGAATCTTCTAATTTCTGACCTCAAGATGGAACGAGAGGCGAGAGAAAATGGAAGCAAGTCTCCTGCA
CATAGTTACTCCAGCTATGACTCTGGCAAAAATGAGAGTGTAGACCGAGGAGCTGAGGACCTCTACTAA
ACAGGGGAGATGAGGACGAAGATGACCACGAGGACCATGACGATTCGGAGAAAGTTAATGAGACAGACGG
CGTTGAAGCCGAGCGGCTGAAAGCTTTTAAATATGTTTGTGTCAGGCTGTTTGTAGATGAAAACCTGGACCGA
ATGGTCCCAATCTCTAAGCAGCCCAAAGAAAAGATCCAGGCTATCATTGACTCATGCAGGCGACAATTCC
CTGAGTATCAAGAGCGTGCCAGAAAACGTATACGTACTTACCTCAAGTCTGCAGGCGGATGAAAAGAAG
TGGTTTTGAGATGTCTCGACCTATTCTTCCCACCTTACTTCAGCAGTTGCAGAGAGTATCTTGGCTTCA
GCTTGTGAGAGTGAGAGTAGAAATGCCGCCAAGAGGATGCGTCTGGAGAGACAGCAGGATGAGTCTGCTC
CAGCTGACAAACAGTGTAACCAGAGGGCAGCCAGGCCACTTACTCAACATCAGCTGTTCCAGGCTCACA
GGACGTGCTGTACATCAATGGAATGGGACCTATAGTTACCATAGTTACAGAGGGCTAGGAGGGGGTCTG
CTAAATCTGAATGATGCTTCCAGCAGTGGACCCACTGATCTCAGCATGAAGAGACAATTTGGCGACTAGCT
CAGGATCCTCCAGCAGCTCAAACCTCCAGACCCAGCTGAGTCCAACCTGAAATCAATGCCGTGAGACAGCT
TGTTGCAGGATATCGAGAATCAGCTGCATTTTTATTGCGATCTGCAGATGAACTGAAAATCTCATTTTA
CAACAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC231179 representing NM_001198549
Red=Cloning site Green=Tags(s)

MGDSNSDGKTGLEQDEQPLNLSDSPLSAQLTSEYRIDDHNSNGKNKYKNLLISDLKMEREARENGSKSPA
 HSYSYSDSGKNESVDRGAEDLSLNRGDEDEDHEDHDDSEKVNETDGVEAERLKAFNMVFRLFVDENLDR
 MYPISKQPKEKIQAIIDSCRROFPEYQERARKRIRTYLKSCRMRKRSFGFEMSRPIPShLTSVAESILAS
 ACESESRNAAKRMRLERQQDESAPADKQCKPEATQATYSTSAVPGSQDVLVYINGNGTYSYHSYRGLGGGL
 LNLNDASSSGPTDLSMKRQLATSSGSSSSNSRPQLSPTEINAVRQLVAGYRESAAFLLRSADELENLIL
 QQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001198549

ORF Size: 1059 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.

RefSeq: [NM_001198549.1](#), [NP_001185478.1](#)

RefSeq ORF: 1062 bp

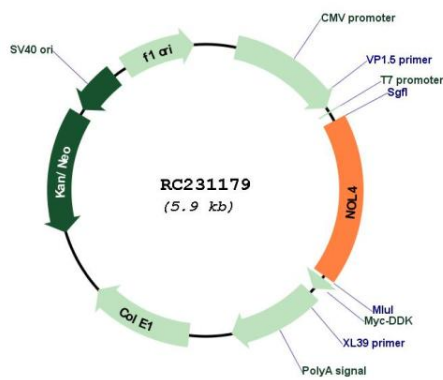
Locus ID: 8715

UniProt ID: [O94818](#)

Cytogenetics: 18q12.1

MW: 39.7 kDa

Product images:



Circular map for RC231179