

Product datasheet for **MR210439**

Noc2l (BC020013) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noc2l (BC020013) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Noc2l
Synonyms:	AA410003; AF155546; NIR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR210439 representing BC020013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGTCTCGCGTCCCCGAGGCGCCTGGAGACCTCAGTGTGGACGAGTTCCTGGCTTCCGGCT
 TCGAGTCCGGATCCGAGTCGGAGCTGGAGGGCGCCGCGGAGGAGCGCAGGGCGCAGGAGCCGCTGGAA
 CCGGGAGCGGGGGCGCGCACCTCCCCGGGCCCGCGGGACGCTGCGTAAGGGCCGCGCCTCTGAG
 CACAAAGACCAGCTCTCTCGGCTGAAGGACAGAGACCCCGAGTTCTACAAGTTCCTGCAGGAGAATGACC
 GGAGCCTACTGGACTTCAGTACTCGGACAGCTCTGCGGAGGAAGAGGAGCCATTCCTCCCTGCCAGA
 CACGCTGGAGGAAGCAAGCGAAACAGAGGAAGATGGAGGAGAGGACAGTACGCGTTGCCAGAGGGCTG
 CGGAGCAAGAAGAATGAGCCTGTACCCGTGACCCTCGCCATGGTGGAAAGGTGGAGGCAGGGCTCCAGGC
 ACCACCTTACTCCAGGCTGTTCCATGAAGTTGTACAGGCGTTCCGAGCAGCTGTAGCCACCACCAAGG
 AGAGCAGGAAGCTGCTGAGACTTCAGGTTCCAGTTCGAGATAGTGCTGTGTTCAATGTCTGTTACT
 TTCTGCATTGAGACCTCTGTGGTTGCCTTCAGAAGCTGCTGTTGGAAAAGACACAAAGGATAGCAATA
 GGCTGCTGCTGCCATCCAGTAGCCACTGTGGGGGAAGCTCCGTGTGGATGTCAAGTATACCTAAGTGC
 GGTTGTGCAGCTGGCAGCCTGTCTAGCGGAAGCCACAGTGTCTGCAGCTGTCTGCAGCATATCAGCAGC
 TTGGTTCTTACTTCTGACTTTCCCGAAGCAGTGCCGAATGCTGCTCAAGAGGATGGTGGTTCTGTGGA
 GCACGGGCGAAGAGTCTCTGCGGGTCTGGCCTTCTGGTACTCATCAGAGTCTGTGCGCACAAAGGA
 AGCCTTCTTGGTCCCATTCTGAAGCAAATGTACATCATGTATGTGAGAACTGCAAGTTCACCTCCCC
 AGTACCCTCCCCCTCATAAGCTTCATGCAGCGGACACTGACTGAAATGCTTGCCTGGACCCAGCGTCT
 CCTATCAGCAGCCTTCTCTACATCCGCCAGCTTGCCGTCCACCTGCGGAATGCTATGACCACAGGCAA
 GAAGGAGACACACCAGTCTGTGTACAACCTGGCAGTATGTGCACTGCCTTACCTGTGGTGTGAGTCTCTG
 AGTACCCTTGGTCCAGTGAGATCCTGCAGCCCTACTCTACCCTCTCTCCAGATCATATTGGCTGTA
 TCAAGTTGTTGCCACTGCTCGATTTTATCCATTGCGCATGCATTGTGTACGTGCCCTGACACTGCTGTC
 CCAGACCATCGGCACCTTCATACCTGTCTGCCCTTCTTCTCGAGATTTCCAGCAGGTGGACTTCAAT
 AGGCGGCCAGGTCGCATGAGCTCCAAGCCCATCAACTTCTGTGATCTTGAAGTGTCCAGCACCAACC
 TGCAGGAGAAGGCGTACCGGGACGGCTGCTGGAACAGCTGTGTGACCTTATTCTGGAATACCTGCACAG
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 GAGTGCAAAGTGGCCAACTACTGCCGGCAGGTGCGGCAGCTGCTGGAGAAAGTGAAGAGAATGCACGGC
 ACATCGAAAGCCTTCGACAGAGCGCGACCTTCAGCGTGTCTGACCGGACGGCAGTGGATGCGTGGGAGAA
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 TGGAAGACAGGAAGGATGAAGACAGGAAAGAAATTAAGGACCTGTTTGTAGTTGGACAGTCTGAGGGCGA
 GGACAGCACCGACTTCTTTGAGAGAGGAGTACCTAGGCTCCCGGAAGCTCACCAAGGACTGAAAGAAGAT
 CAGGAAGAAGAAGATAAAGAAGAAGGTGACAGCGATTAGAGGATGGAGACACAGACACGGGAGTGGATC
 TGAGCGAACTGTGGCAGCTGGCTCAGGGAGCACAAAGATGAGCTGGAGGATCTTCAGCTCTCAGAAGAGGA
 C

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR210439 representing BC020013
 Red=Cloning site Green=Tags(s)

MAASRAPRRRLEDL SVDEFLASGFESGSESELEGAEEERRARGAAWNRRERGARTSPGPAGRLRKGRASE
 HKDQLSRLKDRDPEFYKFLQENRSLDFSDSDSSAEEEEPFHSLPDTLEEASETEEDGGEDSDALPRGL
 RSKKNPEVPVTLAMVERWRQGSRHHLTPRLFHEVVQAFRAAVATTQGEQEAETCRFQVADSAVFNALVT
 FCIRDLCGLQKLLFGKTPKDSNRLLLPSSSPLWGKLRVDVKSYL SAVVQLAACLAEATVSAAVLQHISS
 LVPYFLTFPKQCRMLLKRMVVLWSTGEESLRVLAFLVLRVCRHKKEAFLGPILKQMYIMYVRNCKFTSP
 STLPLISFMQRTLTEMLALDPSVSYQHAFLYIRQLAVHLRNAMTTGKKETHQSVYNWQYVHCLYLWCRVL
 STLGSSEILQPLLYPLSQIIIGCIKLLPTARFYPLRMHCVRAL TLLSQTIGTFIPVLPFILEIFQVDFN
 RRPGRMSSKPI NFSVILKLSSTNLQEKAYRDGLLEQLCDLILEYLHSQAHSIAFPELVLPVTLQLKSFLR
 ECKVANYCRQVRQLEKQVENARHIESLRQSATFSVSDRTAVDAWEKQVREEGTPLTRYGHWWKLRDRE
 IQLEISGKERLEDLNFPEIKRRKVEDRDKEDRKLKDLFELDSSEGEDSTDFFERGVPRLPEAHQGLKED
 QEEDKEEGDSDSEDGDTDTGVDLSELWQLAQAQDELEDLQLSEED

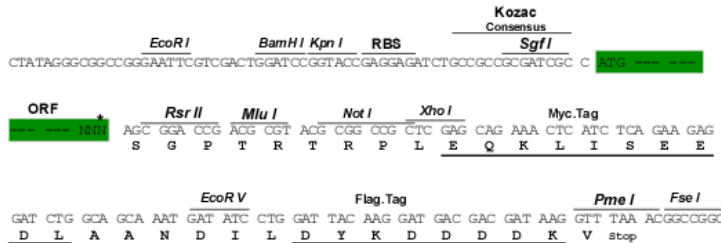
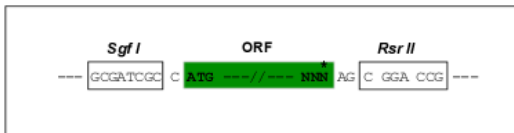
SGPTRRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

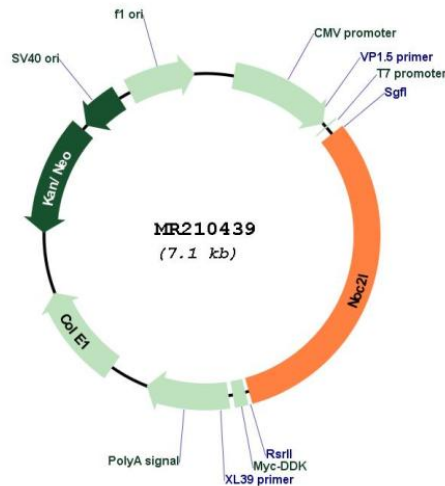
SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: BC020013

ORF Size: 2241 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: [BC020013.1](#)

RefSeq Size: 2565 bp

RefSeq ORF: 2243 bp

Locus ID: 57741

Cytogenetics: 4 E2

MW: 94.1 kDa