

Product datasheet for **MR209121**

Nudcd1 (NM_001113554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Nudcd1
Synonyms:	4921532K09Rik; AA407246; AW260430; AW556235; Cml66; CML66-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >MR209121 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCGGCCAATTGCTCTCTGCGGGTAAAAAGACCTCTGCTGGATCCCCGCTTCGAGGGCTACAAGC
TGTCTCTCGAACCCTGCCCTGCTACCAGCTGGAGCTTGATGCAGCTGTGGCAGAACTAAACTTCGAGA
TGACCAAGTATACATTAGAACACATGCATGCTTTTGGGATGTATAATTATCTGCACTGTGATGCCTGGTAT
CAAGACAGTGTCTACTACATTGATAACCTTGGAAGAATTATGAACCTAACAGTGATGCTGGACACCGCT
TAGGAAAACCCGAGAGGTGTTCCGCCTTCTACAGATGTGACAGCATATGACAATCGTCTTTGTGCATC
TATCCATTTTACATCCCTTCTGGGTTACCTTGTGAGTGAAGCTGGAAGAGCTGATGTGCTATTGGAACA
GGTGACCGTGGAAACAGTCCTGAAAAATGGGAGATTATGTTTAAAGAGAGCTTGGGAACCTTTTATTA
TAATTCACAGTATCTCACTGCTGAAAGCTGAAGAATTCAGTGGCTATCCTGCTTCTCGAATAGAGAA
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GAAGATAGTAAAAAGTATGAAATTACAAAGCATCATGTTCTCCGTGGAAGTCAAGTGCACATTATGCTG
CAATTGAACCTAATGGAATGGTCTAATGATTGTATCTTACAAGTCTTCAAGTTATTTCCGGGAGATCA
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CAAAGTGAGGATGATTTGACAGTAACGGTCAGGCTTCCAGAAAGCAGTACTAAGGAAGATATTCGAATAC
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TCAAAGAGAGACAAGAAATTTTTGTCATGTGCTCCAACTACTCGTATGAGAGCCCTTTGTGAGTGCCTTC
GCCGAGTATTCATCTATCGGCAGCCACCCCATGTCCACTGTGCTGTACAACAGGAAGGAAGGCAGGCA
TGTGGGGCAAGTTGCTAAGCAGCAGGTAGCAAGCCTAGAAACCAATGATCCTATTTAGGCTTTCAGGCA
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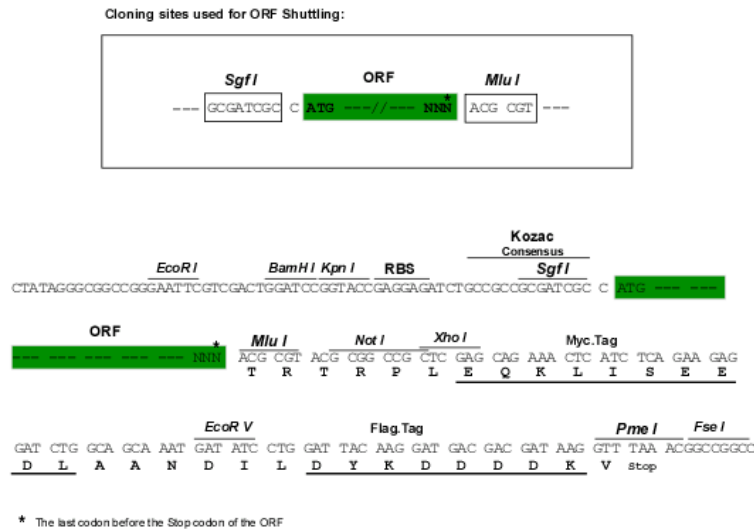
Protein Sequence: >MR209121 protein sequence
Red=Cloning site Green=Tags(s)

MEAANCSLRVKRPLDPRFEGYKLSLEPLPCYQLELDAVAEVKLRDDQYTLHMHAFGMNYLHCDWY
QDSVYYIDNLGRIMNLTVMLDTALGKPREVFRPTDVTAYDNRLCASIHFSPSWVTLSDGTGRLYVIGT
GDRGNSPEKWEIMFNEELGNPFIIHSISLLKAEHSVAILLRIEKEELDCLKSGFYVSLWVVVTKKK
EDSKKYEITKHHVLRGKSVPHYAAIEPNGNLMIVSYKSFKVISGDQDLEENMDEDRPEIKIKVEPLYWQ
QSEDDLTVTVRLPESSTKEDIRIQFLPDNINIKLDIQVLEGLYSSIDHEGSTWTIKENDSLEISLIKK
NEGLMWPELVVGDQKQELLRDPAQCAAIERLMHLTDELNPNDKEKPACNAQELEECDIFFEESSLC
RFDGNTLKTTHVNLGSNQYLFVIVDPKEMPCFLRHDVDALLWQPHCSKQDDMWEHIATFNALGYVQA
SKRDKKFACAPNYSYAALCECLRRVFIYRQPTPMSTVLNKRKEGRHVQVAKQVQVASLETNDPILGFQA
TNERLFVLTTKNLFLIRVNTEN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113554

ORF Size: 1746 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).

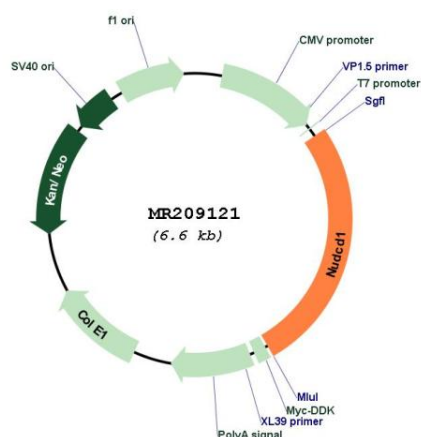
Reconstitution Method:

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_001113554.1](#), [NP_001107026.1](#)

RefSeq Size: 3444 bp
RefSeq ORF: 1746 bp
Locus ID: 67429
UniProt ID: [Q6PIP5](#)
Cytogenetics: 15 B3.2
MW: 66.7 kDa

Product images:


Circular map for MR209121