

Product datasheet for **MR208382**

Nol4 (NM_001161483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nol4 (NM_001161483) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nol4
Synonyms:	1700013J13Rik; 4930568N03Rik; Gm1262
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208382 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCATGTGGAGACAGGGCCGAATGGAGAGCAAATCCGAAACACGCTGGGCAGAAGAGAACTTACAAG
 CAATTTACAGAGACTATGCCTTCTACCAAGAGAAGCGGTGACACGGTTTCTAATGAGCTGTCCGAGTG
 CCAGAAAAGAATGCACTTGAACCCAGATGGAACGGATCACAAGATAATGGAAAGCCTCCTACACTGGTG
 ACCAGCATGATCGACTACAACATGCCAATCACAATGGCGTACATGAAGCACATGAAACTGCAGCTTCTGA
 ACTCACAGCAAGATGAGGATGAAAGCTCAATAGAAAGTGACGAATTTGACATGAGTGATTCAACACGAAT
 GTCAGCCGTGAACCTGACCTTAGCTCCAACCTGGAAGAAAGAATGCAAAGTCCCAGACTGTCCATGGC
 CAGCAAGATGATGACTCTGCTGCAGAGAGCTCTAATGGCAATGAGACTCTGGGGCACAGCTCAGTGCTT
 CAGGGGGAGCACATGGCAGGGAGCCGAGGACTCCAGCAGTGATGGCAAAACCGGGCTGGAGCAGGAAGA
 GCAGCCACTGAACCTGAGTGACAGCCCCAGCTCTGCACAGCTCACTTCAGAGTTCAGGATAGATGACCAA
 GGCAGTGATGGGAAAAACAAGTATAAGAATCTTCTAATCTCTGACCTCAAGATGGAACGAGAAGCGAGAG
 AAAATGGAAGCAAGTCTCCAGCACACAGCTACTCCAGCTATGACTCTGGCAAAAATGAGAGTGTTGATCG
 AGGTGCAGAGGATCTGTCACTCAACAGGGGAGATGAAGATGAAGATGAACATGATGAGCATGAGGATTTCG
 GAGAAGGTGAACGAGACAGATGGTGTGGAAGCTGAGAGGCTGAAAGCTTTCAATATGTTTGTGAGGCTGT
 TTGTAGATGAAAACCTGGACCGAATGGTCCCAATCTCTAAGCAGCCCAAGAAAAGATCCAGGCTATCAT
 TGACTCATGCAGGCGACAATCCCTGAGTATCAAGAGCGTGCCAGAAAACGTATCCGTAACCTCAAG
 TCCTGCAGGCGGATGAAAAGAAGTGGTTTTGAGATGTCTCGACCTATTCCTCCACCTTACTTACGAG
 TTGCAGAGAGTATCTTGGCTTCAGCCTGTGAAAGCGAGAGTGAAGATGCTGCCAAGAGGATGCGTCTGGA
 TAAAGCACAGGATGAAGCTGCTCCTGCTGACAAACAGTGCAAGCCGAGGAGCCAGCCAGGCCACTCTCA
 ACAGCTACTGTTCCAGGCTCCCAGGAGGATTGTACATCAATGGCAATGGGACCTACAGTTACCATAGTT
 ACCGAGGGCTAGGAGGGCTGCTAAGCCTGGATGACACTTCTAGTAGCGGACCCACAGATCTGAGCATGAA
 GAGGCAGCTGGCAACTGGCTCGGGATCGTCCAGCAGCTCAACCTCCAGACCTCAGCTCAGTCCGACGGAA
 ATCAATGCCGTGAGACAGCTTGTGCGCGGTTATCGAGAATCGGCTGCATTTTTATTGCGTCCGCAGATG
 AACTGAAAATCTCATTTTACAACAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208382 protein sequence
 Red=Cloning site Green=Tags(s)

MHVETGPNGEQIRKHAGQKRTYKAISESYAFLPREAVTRFLMSCSECQKRMHLNPDGTDHKDNGKPPTLV
 TSMIDYNPITMAYMKHMKLQLLNSQQDEDESSIESDEFDMSDSTRMSAVNSDLSSNLEERMQSPQTVHG
 QQDDSSAAESSNGNETLGHSSAASGGAHGREPEDSSSDGKTGLEQEEQPLNLSDSPSSAQLTSEFRIDDQ
 GSDGKNKYKNLLISDLKMEREARENGSKSPAHSYSSYDSGKNESVDRGAEDLSLNRGDEDEDEHDEHEDS
 EKVNETDGVEAERLKAFNMVRLFDENLDRMVPISKQPKEKIQAIIIDSCRQFPEYQERARKRIRTYLK
 SCRMRKRSGFEMSRPISHLTSAVAESILASACESESRNAAKRMRLDKAQDEAAPADKQCKPEAAQATYS
 TATVPGSQEVLVINGNGTYSYHSYRGLGGLLSDDTSSSGPTDL SMKRQLATGSGSSSSSTRPQLSPT
 INAVRQLVAGYRESAAFLLRSADELENLILQQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001161483

ORF Size: 1572 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 Size: 3542 bp

RefSeq ORF: 1695 bp

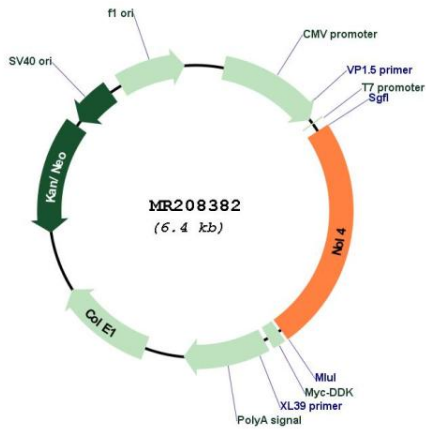
Locus ID: 319211

UniProt ID: [P60954](#)

Cytogenetics: 18 A2

MW: 58 kDa

Product images:



Circular map for MR208382