

Product datasheet for MR212000

Neo1 (NM_001042752) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neo1 (NM_001042752) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Neo1
Synonyms: 2610028H22Rik; A1327052; D930014N22Rik; Igdcc2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR212000 representing NM_001042752
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCGGAGCGGAAGCCGGGCGACTCCTCTGCACCTCCTCCTCCCGGCGTGTGTCCGCCACCGC
CGCTGTGCTGTTGCTGCCGCTGCTGCTGCTCGGACGCCCGCGTCCGGCGCCGCGCCACGAAGAG
CGGCTCCCGCCGAGTCCGAGGAGCCAGTGTTCGAACATTCCTCCGTTTTATTTCTGGTGGAGCCA
GTAGACACCCTCTCAGTTAGAGGCTCTTCTGTTATATTAATTCGTCGGCATATTCGAGCCCTCTCCAA
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GTAGCCACTGTGGATAATCTTGAACCATGTGCAGCAGAACAGCCAAGCTCACAGTAGCAGGTCTCCAA
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CTAGGGAGCGTGTGAGAATACCAGCCAGCCAGGAGAGATGCAGGTGACTATTCAAAACCTTGATGCCAGC
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TCTCTATGATCCTGCACTGCCAAGCACACCACTTACTGTCCAGCAAGCTCTGAACCATCACATTCCTCA
GTGAAAACAGCCTCCATCGGGACGTTAGGAAGGAGCCGGCCTCCTATGCCAGTGGTTGTTCCGAGTGCCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212000 representing NM_001042752
 Red=Cloning site Green=Tags(s)

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MAAEREAGRLTSSRRCCPPPLLLLLPLLLLGRPASGAAATKSGSPPQSAGASVRTFTPFYFLVEP
VDTL SVRGSSVILNCSAYSESPNIEWKKDGTFLNLESDDRRQLLPDGSFLISNVVHSHKHNKPDEGFYQC
VATVDNLGTIVSRТАКL TVAGLPRFTSQPEPSSVYVGN SAILNCEVNADLVFVRWEQNRPQLLDDRIV
KLP SGT LVI SNATEGDGGLYRCIVESGGPPKF SDEAELKVLQDPEEIVDLVFLMRPSSMMKVTGQSAVLP
CVV SGLPAPVVRWMKNEEVLDTESSGRLVLLAGGCLEISDVTEDDAGTYFCIADNGNKTVEAQAELTVQV
PPGFLKQPANIYAHESMDIVFECEVTGKPTPTVKWVWKNQDVVIPSDFYFKIVKEHNLQVLGLVKSDEGFYQ
CIAENDVNAQAGAQLIILEHDVAIPTLPPTSLTSATTDHLAPATTGPLPSAPRDVVASLVSTRFIKLTW
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VETQPEVQLPGPAPNIRAYATSPTSITVTWETPLSGNGEIQNYKLYMEKGTDKQDIDVSSHYSYINGL
KKYTEYSFRVVAYNKHGPGVSTQDVAVRTLSDVPSAAPQNL SLEVRNSKSIIVHWQPPSSTTQNGQITGY
KIRYRKASRKSDVTETLVTGTQLSQLIEGLDRGTEYNFRVAAL TVNGTGPATDWLSAETFESDLDETRVP
EVPSSLHVRPLVTSIVVSWTPPENQNIIVRGYAIGYGIGSPHAQTIKVDYKQRYTYIENLDPSSHYVITL
KAFNNVGEIGIPLYESAVTRPHTVPDPTPMPPVGVQASILSHDTRITWADNSLPKHQKITDSRYYTVRW
KTNIPANTKYKNANATLSYLVTGLKPNTLYEFSVMVTKGRRSSTWSMTAHGATFELVPTSPPKDVTVVS
KEGKPRTIIVNWQPPSEANGKITGYIIYYSTDVNAEIHWDWIEPVVGNRLTHQIQELTLDTPYYFKIQAR
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IVVVVIAVFCRRTTSHQKKRAACKSVNGSHKYGNCKDVKPPDLWIHHERLELKPIDKSPDPNPVMT
DTPIPRNSQDITPVDNSMDSNIHQRRNSYRGHESEDSMSLAGRRGMRPKMMMPFDSQPPQPVISAHPH
SLDNPHHHFHSSSLASPARSHLYHPSSWP IGTMSLSDRANSTESVRNTPSTD TMPASSQTCCDHDQD
PEGATSSSYLASSQEEDSGQSLPTAHVRSHP LKSF AVPAIPPPGPPL YDPALPSTPLL SQALNHHIHS
VKTASIGTLGRSRPPMPVVVPSAPEVQETTRMLEDSSESYEPDELTKEMAHLEGLMKDLNAITTA
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

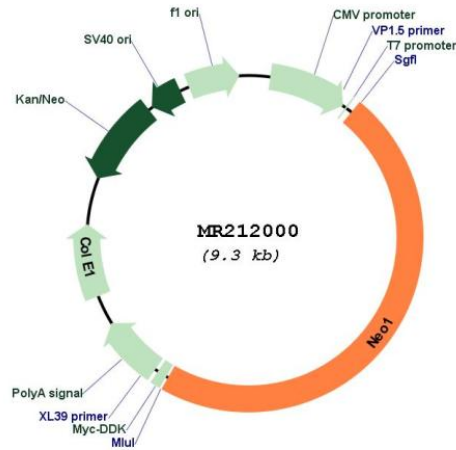
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001042752

ORF Size: 4395 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_001042752.1](#), [NP_001036217.1](#)

RefSeq Size: 7307 bp

RefSeq ORF: 4398 bp

Locus ID: 18007

Cytogenetics: 9 B

MW: 160.4 kDa