

Product datasheet for **MR206164**

4921511C04Rik (NM_027580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4921511C04Rik (NM_027580) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4921511C04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206164 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTGCAAGGCGTGAGGTCTCGATCCACCAAAGTGGTGTCCCTCTGGCACATGTGTGCAACAACA
GCAATAAGATGGTATTAATTAACCCCATGGAATCAACCTCAATATCTACAAGCAAAATGTGGAACAGGC
CATCAAATCCTATGAAAAATGCTTAAATAAAATGTCTGGCAAGCTCTGTCTGAAGAGGAAAAAGAGAAG
TTGGATGCAATCAAGCCCATACAGTACTGGAAAAACAAGGATGTCTTGAACAAGGCCCTGGAGCGGCTGA
ATTGGCCCATTTTCATTGAAAGAGCTCTCGGTGCTGGAAAACGAAATCTTGTTGGGAAAAATGTACATCCA
GCAAGCCCTGGAGCTCCAGGAGACTTCCAGGAAGAACTACCAGAGCAAGACACTGCAGGAGCAGCAGAAAA
TTGCAAGGGTATCCAACGAAGAAAAATCAAATCAAGAAAAGTACACCTCTCAAAGGCCAGAAAGGTCATTG
CCAGATGTGAGGAAAAATGGCTTCTATTTCCAGGGGTTGTGAAGAAATGTGTGAGTTCTCCACGCCTT
GGTCGACTTCAGGTACGGAGACACCAAAGTCGTGCCCATCTCCTTCATCATGCCTGTTGGGGGCGCCATG
CCCTGTCCACAACCTTCAGGTTGGGGATTACGTGTTTGCCAAAATCATGACAAGCAAAGGATTTGACTTCT
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GTGTAACAACCGCAGAGAATTTTCCCTCGGAGTCTCTATTAAGATCAGCCAAAACAAGTATGCCCTG
TCTTGCTCAATGATACACTCATCCTGGTTGAGAAGAACGGAGCAGGGGAGGAAGTATGGAAGTAAAT
CTTCCAACATCTGGACTGTGACTGAAGAAGCCACTGGGAATTTGAAACAGCCGAGACAAGAGAACCTCAG
AAAAAAGAGAAAGAAACGCACCAAGAGGCTCCCTCTCAAAGAGCTGATGTGTTTCAGATTTTGATGTTCC
TCCCGCAGCACCAGGTTTTCCACACGTGGCCTCGGACGCCCAACTCCGCCCTCGCCACACTGCCACCA
GGAGCAGCCCTGCCCTGACAGAGTCCAGCCACCCACAGCGAAAGGGGCTGAGGACCCACCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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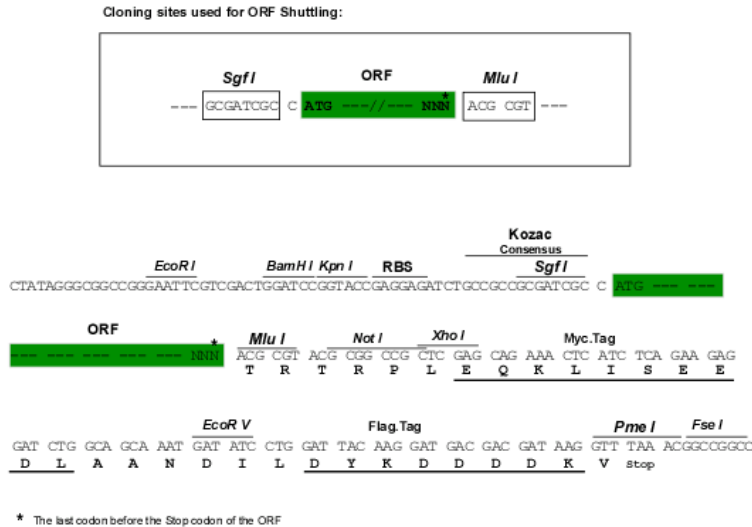
Protein Sequence: >MR206164 protein sequence
Red=Cloning site Green=Tags(s)

MDVQGVRSRSTKLVFPLAHVCNNSNKMVLINPHGINLNIYKQNVQAIKSYEKCLNKIVWQALSEEEKEK
 LDAIKPIQYLENKDVLNKALERLNWPISLKELSVLENEILVGKMYIQQALELQETSRKNYQSKTLQEQQK
 LQGYPTKKIKSRKLDPLKGQKVIARCEENGFYFPGVVKKCVSSSHALVDFRYGDTKVVPI SFIMPVGGAM
 PCPQLQVGDYVFAKIMTSKGFDFYVPAIVIALPNHNVASEKFYTLKCNRRREFCPRSALIKISQNKYAL
 SCSMIHSSLVEKNGAGEEVDGSNSSNIWTVTEEATGNLKQPRQENLRKKRKRKRLPLQELMCSDFDGS
 SRSTRFSTRGLGRRQLRPRHTATRSPALTESSHPQRKGLRTHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027580

ORF Size: 1185 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_027580.2](#), [NP_081856.1](#)

RefSeq Size: 1534 bp

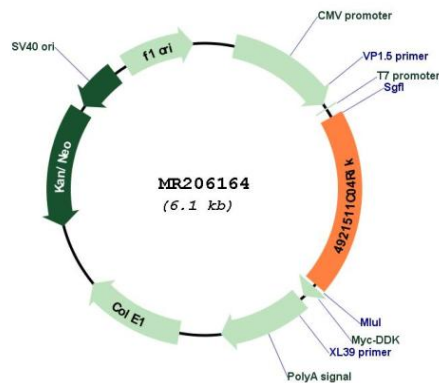
RefSeq ORF: 1184 bp

Locus ID: 70853

Cytogenetics: 1 B

MW: 44.9 kDa

Product images:



Circular map for MR206164