

Product datasheet for **RR210131**

LOC500475 (NM_001024346) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC500475 (NM_001024346) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC500475
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210131 representing NM_001024346
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACTTCGCAGCTCAATTCGACTGGTTCGGTAATGAAAGGGCGAAAAGCATTGACTCTATGAGAG
 TGGTGGACGAGTCCCAATGGAATGAAGCCGTCTGTACCTTAGCAGTTGTCAGCATCCACAATGTTGGGC
 ATCTCTCCGACGATTGAGAGGGGCCATCTAGGATCCTAGACACATCCAGCAAATCTCCCTGGGAATCT
 GAAGATAAACTCCCGACACTCACTGTTGTAATATCATGGATACCTGCTTGTGGGCCAAGAAGAGGGTGG
 TTCAGCGTCAAGCATCAGAATTTACCTCCCTAAGGAACGTTCTTTATTGTTGAAACCAGCCTCCAAATG
 TCATGGAAGGTCTTGAAGTCTTACGTGACAAAGATGCGACTAGCCATTCTAGACCTCCCAACTTTCA
 GTATTGAATCTGAATGAAGCAAACTTCCTTTCTCTGGAGATGACAGAAACATGGTTGTGACCTGGGTTT
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 AAAGAAATGGGGAGAGACAAGCAAGCCGTCTCTGTATTACCGTGAAGGCGGTACTTGAGGAGCCAGCA
 GTGCTTGTACCTCCTCCCTCCCACTACACTTCTTGGAGCAATTACATTCTGAAGCCATACCACTATGGG
 CTCAAGTCGACATGCTTCCGACGATCTATTGAAGGAATGCATCTTGTACATGAGAAATCCACAGCTTG
 CCCTGAGGTGAAAATGGAGCTGTCTAAGATGAAAAAGTCTTCCCTGGAAAAGAGCCGGCCTGACAGT
 GCCGTCTCATCTAAGATGTATCTGACTATCCAGCGCCTCACCTGCAAAGACCATCACTGCGGTATCCTG
 ATTCCTGAAGAAGCTGCGCCACAACCTGAAGCGAGATTCTGGAAGCAGCAGGAGGAGAAAACCTCTAC
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 GAAACAATTTACCAGGACCTTAATGACGGGAGGAGACTGAGTTGGAAGTCGAGGCTTTAGCAAGACA
 ATAACCCCAAGAGCCTTTCTGCAGTTATGGACAATATCAGCTGGAACCCCGAGCTCAAAGTCTGAGGAT
 TCTTCAGGCCACCGAGGAGGAAATGAGGAAGGCCATCTTCTAGGGCACAGAGTGAGGCGTCTCTAGAA
 GCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

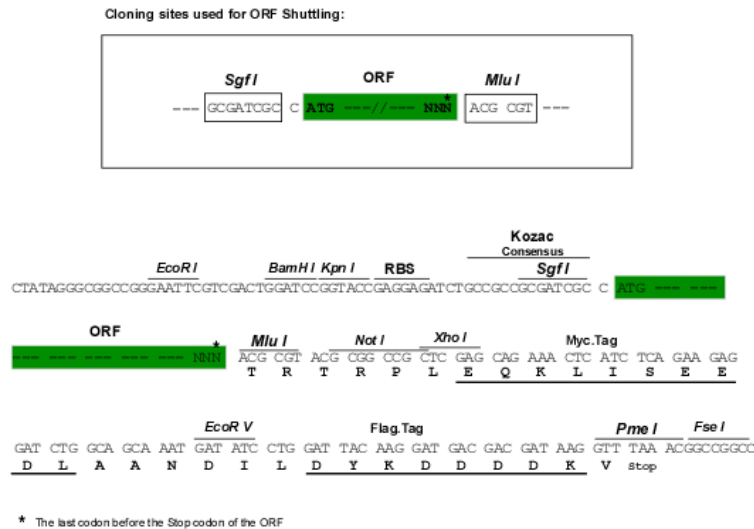
>RR210131 representing NM_001024346
 Red=Cloning site Green=Tags(s)

MRLRSSIRTGSVMKGRKAFDSMRVVDSEQWNEAVCTLAGCQHPQCWASLRRIERGHPRILDTSSKSPWES
 EDKLPTLTVVNIMDTCLWAKKRVVQRQASEFTFPKERSLLLKPASKCHGRSWKSLRDKDATSHSRPPKLS
 VLNLNEAKLPFSGDDRMVVTWVPEEMAKKTIQEKAGVPSRSVKKRRKKWGETSKPSLYRGRRLRSPA
 VLVPPSPVHFLEQLHSEAIPLWAQVDMLPQDLLKECILSHEKSTACPEVKMELSKMKSLPLEKSRPDS
 AVSSKMYLTIQRLTLQRPSLRYPDCLKLRHNLKRDSWKQEEKTSTKKQEAKKKAKRDVEEQYGEETMS
 SDSFHDPSFHDHVGLRISRREIERKLLKGEVMEKTSLERRVSVEEPMAYEFGSYYTASYTSPESALLY
 ETIYQDLNDGEETELEVEAFSKDNNPKSLSAVMDNISWNPELKLRLQATEEENEHGLSRAQSEASLE
 A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001024346

ORF Size: 1473 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_001024346.1, NP_001019517.1

RefSeq Size: 2155 bp

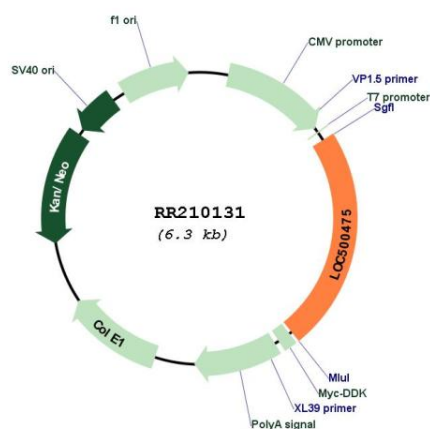
RefSeq ORF: 1476 bp

Locus ID: 500475

Cytogenetics: 5q24

MW: 56.6 kDa

Product images:



Circular map for RR210131