

Product datasheet for **RR206281**

LOC500354 (NM_001037797) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC500354 (NM_001037797) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC500354
Synonyms:	MGC114375
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206281 representing NM_001037797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTCTGAGTCAGAAAAGGGTCAAGAGAGACTGATTCAAGCCGCCAACTATTCTCCTGCCACATAC
 AAGACCTGGTTTCCTTCATAAATAGGTTTCATTGAGTTATTTAACCTCACCATGAAGACTCAGATCCTCCC
 CATGAGTCTGAATGAAGAGAGCTGCATTAAGGACTTCCTTGAACAGATGATCGAAAATTTAAAGAGATG
 CAACTGATGGCGGATGTAAAGCAGAAAGAAATGCAAAAGGAGCCTTTGTGTTCCAAGGTGGTGACGGAGG
 TGACCTCTGCAGGGGGGAAGTGCCGACCTTAGTCCACACCACATGGCAGAAGAAATGCTCAAAACCAT
 CCAGACATCAGGTGCTGCCTTGGTCCCAGAAAACCATGACATTCTGGGAGTCTAGAAACTTCTCTCTCA
 CTCCTGATGCAGTTCCCCATCATGGGTCTTCGATTAAAGTGAAGTCCATAGTGAGGAGACCAAGAACAGC
 CAGATGCCACCACATCTGAGAAAAGCAGGAGTCCAGAATGTCCCAAAACCACTAAGGAGGAAGCCTTGAA
 GAGGCTGCAAGATATGCTGTGTCCAGAGAATGCCACAAGCCCCTAGAAACAGCCGCAGAGAAGAACTGGAA
 CAGTTTATCAAGACTATGGACATGACTTTACAGGTCTCCGAAATCCATAAAGACCATGGAAGGGAATA
 GCTGTGTCCTTACACAGGTTCAAGGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR206281 representing NM_001037797

Red=Cloning site Green=Tags(s)

MSSSEKQGERLIQAALFSCHIQLVSFINRFIELFNLTKTQILPMSLNEESCICKDFLEQMIENFKEM
QLMADVQKQEMQKEPLCSKVVEVTSAGGKCADLSPHHMAEMLKTIQTSGAALVPKTSHILGSLETSLS
LLMQFPIMGLRLSDFHSEETKEQPDATTSEKRSPECPKTTKEEALKRLQDMLCPENAHKPLETAAEELE
OFIKTMDMTLOVLRKSIKTMEGNSCVLTOVOGK

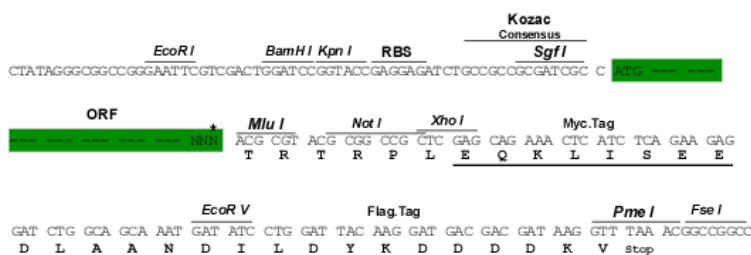
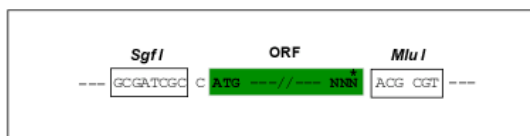
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001037797

ORF Size: 729 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_001037797.1](#), [NP_001032886.1](#)

RefSeq Size: 1494 bp

RefSeq ORF: 732 bp

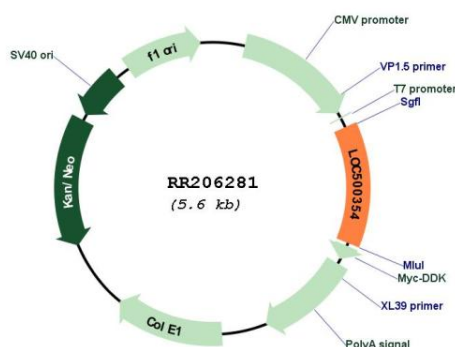
Locus ID: 500354

UniProt ID: [Q4KLZ4](#)

Cytogenetics: 4q43

MW: 27.4 kDa

Product images:



Circular map for RR206281