

Product datasheet for **RR209157**

RGD1306441 (NM_001106053) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RGD1306441 (NM_001106053) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: RGD1306441
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR209157 representing NM_001106053
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATATCTCTGGATCAAACAATACACAAAAGGAAAATACTGCGTTGTTTTCTTGTCTCTTGT
CCCAAAATCAAAGAACTCAACATAAATCCCAGGACGTGGAAGAAAACTCTGTAGAGAAAATAAGGT
GTTGAGAGATGAAAATAGGGCTCTGAGAAAAGACAACAATTTCTCTGGGGCGAAAACAAGCCTTAGGA
AGAGAAAATAAACCTTCCGGATGGACAACCATCATCAGGAAAGAAATCATATCCTAAGGCAGCAGA
ACCAGTACTCCGGAAGGTGAAAAGTTGATTTTCAGAGAACCCTGCTGGGGAAGAATGCAATGC
CTTGAACACAGAAGGAAGGTCTTTTTGGCAACAGAATCGAGCCATGGAAGCTCAGATCACAGCTCTCCGG
CAGCAAGAGAAAAGCCTTCCAGAATGAGGCCAAAGCCTTGATGAGGAGATCAAGTCCCTGTGTGAGGAGA
CCAAGGCTCTACAACACCAAGAGAGGGCTCTCAGGATGGAAGAGAAAGCCTGCTGAGGGACGGAGTGGC
TGCAGAGCTGGCAGAGGCCCTGACCAAGGAGGGAGCTGCTCTAGAGATGGAAGAACAGGCTTTGTGGAAG
GAAGAGCAGGCTCTCAGGGAGGAGAACAAGGCGCTGAGAGAAGAGCACGGGGCTCTACAAGACGAGGAAG
TTGCCCTGCAGGAAGAGGCGAGAATCCTCCAGGAGTGAATAATCTTCTCAGGGGAAGATCACAAACA
CCTCCAGAGAATATGAATAACCAAGACCCAGAGAAGTGCAGAACTAAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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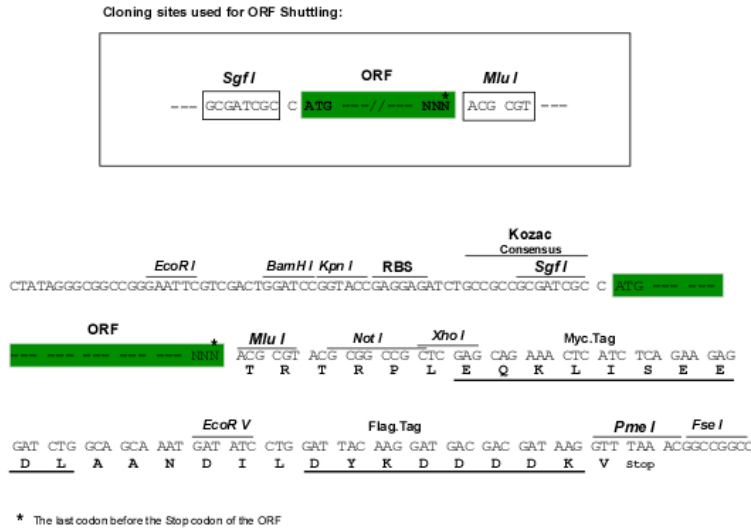
Protein Sequence: >RR209157 representing NM_001106053
 Red=Cloning site Green=Tags(s)

MNISGSKQIHKRKILRLFSCFSCFCTQNQKKLKHKSQDVEKKLCRENKVLVDENRALRKDNKFLWGENKALG
 RENKTFRMDNQFIRERNHILRQQNQLLRKVKRLISENPKLSGEECNALNTEGRSFWQQNRAMEAQITALR
 QQEKAFQNEAKALHEEIKSLCEETKALQHGERALRMEEKALLRDGVAAELAEALKEGALEMEEQALWK
 EEQALREENKALREEHGALQDEEVALQEEARILQEWNNLLQGKITNNLPENMNNQDPEKCELRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001106053

ORF Size: 822 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_001106053.1](#), [NP_001099523.1](#)

RefSeq Size: 1134 bp

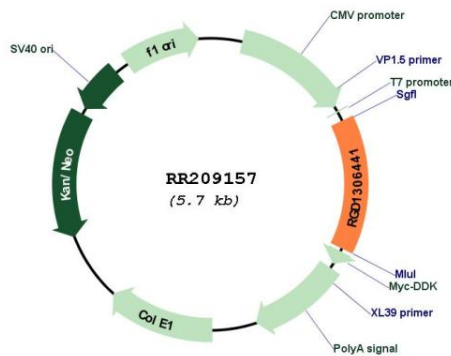
RefSeq ORF: 825 bp

Locus ID: 290425

Cytogenetics: 15q21

MW: 32.2 kDa

Product images:



Circular map for RR209157