

Product datasheet for **RR205657**

RGD1308065 (NM_001077666) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGD1308065 (NM_001077666) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGD1308065
Synonyms:	MGC156810
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205657 representing NM_001077666 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGTCTGGATGAGTTCGACAGCGAATCCCCCTGAGTGTGACCTTCTGCCAGCTCATTTCCGAGG
 ATGACTTCGAGAGGCAAGCAGCTACCTACACAGAGCGTGCCTGCGACGCCTCTCCGCTCCTTGGACCG
 CAACCCAGCGCTGGCCGAGAGGGTTGTGCGGAAGGGCAAGCAGACCGAGATCGAGCAGCGCGGGCTCCTC
 TCCAACCTCTGGCGAAGTTTGTCTGCACTGTCCAGGGGGATCTAAACCAGTGCAACAGCATGGGGCCCC
 TGGAGATGCATCAGCGCCTGGAGCAGCTGAAGAGGCGCATCCACCGTGTGCATCTGTACTCCAGGATGC
 GAAGAAGAGAAGGAGGAGGCCGAAACCAAGAAACCAGATCCCATCTTTTCGAGACCGGTGACCTCCCCA
 TGCTTGCACACGACCTATTACCAACCACTGCTGCCGCGGCCACCGCCACAACCTGTCAACACCGTGG
 CCTCTGTAGTGGCTGCGTCAACCTCTGTCTACACTATGCCCCGGGTCTTTGGCCCCCTTCCCTCCACTGTC
 TGGCAAGCCGATGGAGAACTGGATATTTCAAGGTCTGAACTGAAATTAACCTGGAATGGTCTTTCATCA
 ACGTCAAAGAGCCACATGGTTGATCTGACCCCTTGGTCTCAACCCGGAGGCTTCATTTCTCATATT
 TGGCAGGAAACAGTGCACACAAGCTCCATTGCCCTGCCCTTCCCTGGACGACAGCCTGTAGTGGGGCCAC
 CAACACTGACAAGACGCCATCTCTCTGTGAAAGCCTCCATCTTCACTCCGCCTGTTCTGCTCAAGTTC
 CAGCCCCGTGCCAGACCAATGATGATTCAGAGAATGACCCTGGCAACGCCGAGTCCACTCCTGCCAAGG
 AGAACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR205657 representing NM_001077666
 Red=Cloning site Green=Tags(s)

MEVLDEFDSEFPLSVTFQCQLISEDDFERQAATYTERALRRLFRSLDRNPALAERVVRKGKQTEIEQRGLL
 SNLWAKFVCTVQGDNLQCNMGALEMHQRLQLKRRIRHVHLYSQDAKKRRRPPKPKPDPIFRDRSTSP
 CLPPALLPPPLPPPPQPVTTVASVVAASPSVYTMPRVFGPFPPLSGKPMKLDISRSELKLNWNLSS
 TSKSHMVDLTPLVLNPGGFHF SYLAGNSAHKLHCPAFWTTACSGPTNTDKTPSPPVKASIFTPPVLLKF
 QVPRPNDDSENDPGNAESTPAKENQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077666

ORF Size: 918 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_001077666.1, NP_001071134.1

RefSeq Size: 1605 bp

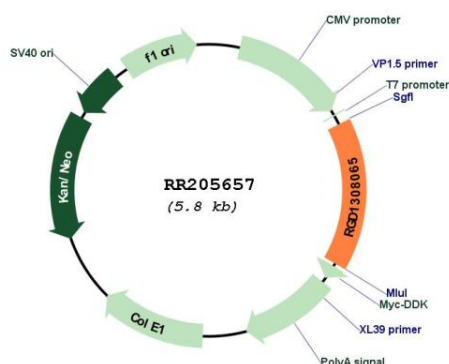
RefSeq ORF: 921 bp

Locus ID: 287935

Cytogenetics: 11q23

MW: 34.2 kDa

Product images:



Circular map for RR205657