

Product datasheet for **RR206768**

RGD1311188 (NM_001135897) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: RGD1311188 (NM_001135897) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: RGD1311188
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR206768 representing NM_001135897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTCGGTGTCTTGCTGCTGCTGCAGCTCCGGTGAAGCTCCACGAGAGCTCTTCTCCGGACTCAGCA
 GCGCTCTTCCGGAGCGGGCTAACGGCGATGCCTCTCCGCAGGTGCCGGTGACCTTCAGAGAGGTGGCTGT
 GTACTTCTGCAGGAAGAATGGGAGTGTCTCAGTTTTAGCCAGAGGACCCCTACCGGGATGTGATGCTG
 GAGAATTCAGGAATTTGAATGAACTGGGATGCTGTGGCCGAAACCAAGCCTTATTTCTCGCTGGAAC
 AATGGGATGAGCCATGGGTTGACAAATGGGACAGTTCTGAGCTGGAAAGACAAAAAGTGTCTGCCAGG
 AGGCAGAAAGGCTTCAGCTCCTGAGAAGACCCATTACCGGACAGGAGCCAAGAGCAGGACTACCTTACGG
 AAGAATGTCCTAACATCTGGTAAAGCGCACTTTACCAGAGCTACCTCTGGGAGGAAACTGGACAATAAAT
 CCGAAGCCCTCCAGAACCAGACATGTGGGAAATCCCGCAGGAGACAGCCAGGCCTCAAGGAACAGGGCAA
 GAGTGCAGCAGAGGGACACCCATTCATCTGCGGCATATGTGGAAAGGCACTGAGCTGCCATAGCCGGTTG
 GCAGCTCACCAGACAGTACATACCGGAACCAGTCTTTGAATGCTTTGAGTGTGGCCAGACATTCGCT
 GGGTCTCAAATCTTCTGCGCCACCAGAGAAATCACACCAGTGAACAACTTCTGCTGTGAGGTATGTGG
 ACAGGCCCTTAGCCTGAAGGACCGCTGGCACAGCATCAGAAGATCCACACCGAACACCGGCCCTATGTG
 TGCAGTACTGTGGAAAGCCTTCAAACAGAAGTCAAACCTCCTGCGGCACAAGCTTGTTACACAGGAG
 AGAGGCCCTTCTACTGTGACAACCTGCGGCAAGACCTTTCGAACTAAAGAGAACCTCAACCACCATCAGCG
 GATTACACAGCGGAGAGAAGCCCTACACATGTGGTGTGAGTGTGAAAGGCCTTCAGGTGGCCAAAGGCCTC
 AGCATCCACCAGCGGCTGCACTTGACCAAGAAGTCTATGAGTGCAGAGAGTGGCGGAAGGGCTTCCGCC
 ACCTGGGCTTTTTACAAGGCACCAGAGAACACATGGGCGAGGAGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206768 representing NM_001135897
Red=Cloning site Green=Tags(s)

MRRCLAAAAAPGEAPRELFSGLSSALPERANGDASPQVPVTFREVAVYFCREWECLSFSQRTL YRDVML
 ENFRNLNELGCCGRKPSLISRLEQWDEPWVDKWDSSSELERQKSVCPGGRKASAPEKTHSRTGAKSRTTLR
 KNVLTSGKAHFTRATSGRKLDNKSEALQNQTCGKSRRRQPLKEQGKSAAEHGFICGICGKALSCHSRL
 AAHQTVHTGTRSFECFECGQTFRWVSNLLRHQRNHTSEKPFCEVCGQAFSLKDRLAQHQKIHTEHRPYV
 CSDCGKAFKQSNLLRHKL VHTGERPFYCDNCGKTFRTKENLNHHQR IHSGEKPYTCGECGKAFRWPKGF
 SIHQRLHLTKKFYECEECGKGRHLGFFTRHQ RTHGRGEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135897

ORF Size: 1170 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_001135897.1](#), [NP_001129369.1](#)

RefSeq Size: 1874 bp

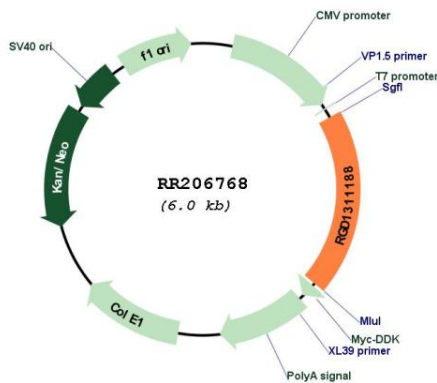
RefSeq ORF: 1173 bp

Locus ID: 315088

Cytogenetics: 7q34

MW: 44.5 kDa

Product images:



Circular map for RR206768