

## Product datasheet for **RR200850**

### **Pacrg (NM\_001077677) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pacrg (NM\_001077677) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pacrg  
**Synonyms:** RGD1561027  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR200850 representing NM\_001077677  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGCAGAAAAGAGACCCTGACCTTAAACAAATGCCAGACAAGATGCCGAAGAGGACCAAATGCTG  
TGCCACAACAGACGATCCAGGTGCACCAGCCTATTCCCTGGTTTCTGAGGGCTTACAGTCAAAGCCAT  
GATGAAAACTCAGTCGTGCGGGTCTCCAGCCGAGGGGCATTTAAAGAAAGGCCGACCAAACCCACC  
GCATTCCGAAAAATTTATGAGCGAGGAGACTTCCAATCGCCCTTGAGCATGACTCGAAAGGAAACAAAA  
TTGCCTGGAAGGTGCGGGTCTCCAGCCGAGGGGCATTTAAAGAAAGGCCGACCAAACCCACCGCATT  
CCGAAAAATTTATGAGCGAGGAGACTTCCAATCGCCCTTGAGCATGACTCGAAAGGAAACAAAAATGCC  
TGAAGGTAGAGATTGAGAAGCTGGACTACCATCATTACCTGCCTCTGTTTTTGTGGCTTTGTGAGA  
TGACGTTTCCCTATGAGTTTTTGTCTCGCAAGGAATCCACGACATGCTGGAACATGGAGGGAACAAGAT  
TCTACCTGTCAATCCGCAGCTCATTATCCCGATAAAAAATGCCTTGAACCTCCGAAACAGACAGGTCATC  
TGTGTCACGCTCAAAGTTCTCCAGCATCTGTTGTGTCCGCTGAGATGGTGGGTGAAGCTTTGGTGCCCT  
ACTACCGCCAGATCCTGCCAATCCTGAACATCTTTAAGAACATGAACGTGAACCTCCGGGGATGGCATCGA  
CTACAGCCAGCAGAAGAGGGAGAACATTGGTGACCTGATCCAGGAGACCTTGAAGCCTTCGAGCGCTAT  
GGAGGGGAGGACGCTTCATCAACATCAAATACATGGTGCCACCTATGAGTCGTGCTTGTCTGAAC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**



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**Protein Sequence:** >RR200850 representing NM\_001077677  
 Red=Cloning site Green=Tags(s)

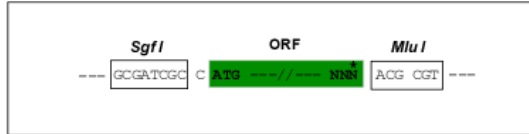
MVAEKETLTLNKCPCDKMPKRTKLLPQQTIQVHQPHSLVSEGFTVKAMMKNSVVRGPPAAGAFKERPTKPT  
 AFRKFYERGFPIALEHDSKGNKIAWKVRGPPAAGAFKERPTKPTAFRKFYERGFPIALEHDSKGNKIA  
 WKVEIEKLDYHHYLPLFFDGLCEMTFFPYEFFARQGIHDMLEHGGNKILPVIPLIPIKNALNLRNRQVI  
 CVTLKVLQHLVSAEMVGEALVPYYRQILPILNIFKNMNVNSGDGIDYSQQKRENIGDLIQETLEAFERY  
 GGEDAFINIKYMPPTYESCLLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001077677

**ORF Size:** 906 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\\_001077677.1](#), [NP\\_001071145.1](#)

**RefSeq Size:** 1360 bp

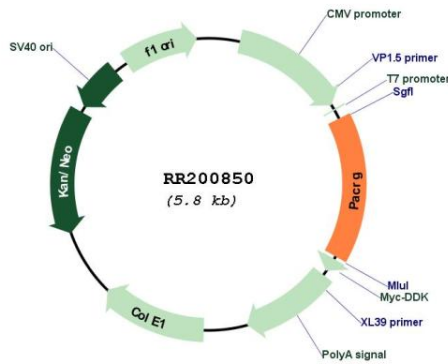
**RefSeq ORF:** 909 bp

**Locus ID:** 499021

**Cytogenetics:** 1q11

**MW:** 34.5 kDa

**Product images:**



Circular map for RR200850