

## Product datasheet for **RR212098**

### Prokr1 (NM\_138977) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prokr1 (NM\_138977) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Prokr1  
**Synonyms:** Gpr73  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212098 representing NM\_138977  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGACCCTGTGGGACCCTGGGCGAGAATACCACAAACACTTTCACCGACTTCTTTTCTGCACGTG  
 ATGGCAGTGGAGCCGAAACCTCCCCCTTGCATTCACTTTCAGCTATGGTACTATGACATGCCCTCGGA  
 TGAAGAGGAGGATGTGACCAACTCTCGGACTTTCTTTGCTGCCAAGATTGCATTGGCATGGCTTTGGTG  
 GGCATCATGCTGGTGTGTGGCATCGGCAACTTCATCTTCACTGCGCTGGCCCGCTACAAAAAGCTTC  
 GCAACCTACCAACCTGCTTATCGCAACCTGGCCATTTTCGGACTTCTGGTAGCCATCGTGTGCTGCC  
 CTTTGAGATGGACTACTATGTGGTACGCCAGCTCTCTGGGAGCACGGCCATGTCCTGTGCGCCTCCGTC  
 AACTACTTGGCACCCTCTCCCTCTACGTGTCCACTAACGCCCTACTGGCCATTGCCATTGACAGGTATC  
 TGGCCATTGTGCACCCGCTGAGACCGGGATGAAGTGTCAAACGGCTGCAGGCCTGATCTTCTGGTGTG  
 GTCTGTGTCCATCCTCATCGCCATCCAGCCGCTACTTCACTGAGACGGTGTGGTGTGCTGTTGGT  
 AGCCAGGAGAAGATCTTCTGCGCCAGATCTGGCCGGTGGATCAGCAGTTCTACTACAGGTCTATTTCC  
 TTTTGGTCTTTCGGCTCGAGTTCGTGGTCTGTAAATCGCCATGACCCTGTGCTATGCCAGGTTGCCCG  
 AGAGCTCTGGTTCAAGGCGGTGCCCGCTTCCAGACAGAGCAGATCCGCCGGAGGCTGCGCTGTCGCCGA  
 CGGACGGTACTGGGCTCGTGTGCGTCTTTCCGCTATGTGCTGTGCTGGGCTCCCTTCTATGGCTTCA  
 CCATCGTGCCTGACTTCTTCCCTCCGTTTGTGAAAGAGAAGCACTACCTCACCGCCTTTTATGTGGT  
 GGAGTGCATCGCCATGAGCAACAGTATGATCAATACGCTGTGCTTTGTGACTGTGAGGAATAACACCAGT  
 AAGTACCTCAAGAGGATCCTGCGCTCCAGTGGAGGGCTCTCCTAGCGGGAGCAAGGCCAGCGCTGACC  
 TCGACCTCAGGACCAGGGGATTCTGCCAGGAGGAGTGGACTGCATCCGACTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212098 representing NM\_138977  
Red=Cloning site Green=Tags(s)

METT VGT LGENT TNT FT DFF SARDGSGAETSPLPFTFSYGDYDMP SDEEEDVTNSRTFFAAKIVIGMALV  
 GIMLVCGIGNFIFITALARYKKLRNLTNLLIANLAISDFLVAIVCCPFEMDYVVRQLSWEHGHVLCASV  
 NYLRTVSLYVSTNALLAIAIDRYLAIVHPLRPRMKCQTAAGLIFLVWSVILIAIPAAYFTTETVLVIVE  
 SQEKIFCGQIWPVDQQFYRYSYFLLVFGLEFVGPVIAMTLCYARVSRELWFKAVPGFQTEQIRRRRLRCRR  
 RTVLGLVCVLSAYLWCWAPFYGFTIVRDFPSPVVFVKEKHLYTAFYVVECIAMSNMINTLCFVTVRNTS  
 KYLKRILRLQWRASPSGSKASADLDLRTTGIPATEEVDCIRLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

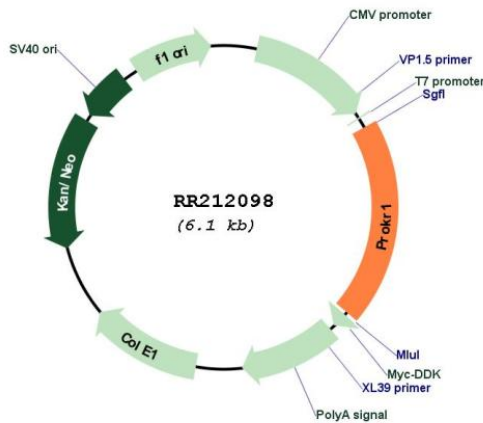
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_138977

<b>ORF Size:</b>	1179 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_138977.1</a> , <a href="#">NP_620433.1</a>
<b>RefSeq Size:</b>	1182 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	192648
<b>UniProt ID:</b>	<a href="#">Q8R416</a>
<b>Cytogenetics:</b>	4q34
<b>MW:</b>	44.5 kDa
<b>Gene Summary:</b>	G protein-coupled receptor for prokineticin [RGD, Feb 2006]