

## Product datasheet for **RR201898**

### **Rhcg (NM\_183053) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rhcg (NM_183053) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhcg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201898 representing NM\_183053  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTGGAACACCAACCTCCGGGGCGGCTGCCATCACCTGCCTGATCCTGCAGGTGACCATGGTGG  
 TTCTCTTCGGCGTGTTCGTGCGCTACGACATCCAGGCTGATGCTCACTGGTGGTTGGAGAAGAAGCGCAA  
 GAACATCTCCAGCGATGTGGAGAACGAATTTTACTATCGCTATCCGAGCTTCGAGGATGTACACGCCATG  
 GTCTTCGTGGGCTTCGGCTTCTCATGACATACCTGCAGCGCTATGGTTTCAGCGCTGTAGGCTTCAACT  
 TCCTGCTGGCAGCTTTCGGCATCCAGTGGGCGCTGCTCATGCAGGGATGGTTCCATTTCTTTGAAGAAGG  
 CCACATTTCTCCTGAGCGTCGAGAACCTCATCCAAGCCGACTTCTGTGTGGCATCTACCTGTGTGGCCTTT  
 GGGGCAGTTCTAGCAAGATCAGCCCAATGCAACTGCTCATTATGACCTTCTTCCAAGTGACTCTTTCA  
 CAGTGAATGAGTTCATCCTCCTGAACCTGATAGAGGCAAAGGATGCAGGGGGCTCTATGACCATCCACAC  
 ATTTGGCGCTACTTTGGGCTCACAGTGACCTGGATCCTCTACCGAAAAACCTGGAGCAGAGCAAGCAG  
 AGGCAGAGTTCAGTGTACCATTTCGGACCTTTTCGCCATGATTGGTACCCTCTTCTGTGGATATACTGGC  
 CTAGCTTCAACTCAGCCAGTTCCTTCCACGGAGACACCCAACACCGAGCAGCCCTCAACACCTACCTCTC  
 CTTGGCAGCTAGTGTGCTAACACAGTGGCAGTGTCCAGTGTACACAGAAGGGCAAGTTGGATATG  
 GTGCACATCCAGAACGCCACACTTGCAGGTGGGTGGGTGTGGGCACAGCCGCGGAGATGATGCTCACAC  
 CTTACGGCGCCCTCATCGTGGGTTTCTTGTGGCATCCTCTCCACCCTAGGATTTGGCTACCTATCGCC  
 ATTCTGGAGTCCCGTCTTGAATCCAGGACACGTGTGGCATTCAACCTGCACGGCATCCCTGGCATC  
 ATAGTGGCATTGTGGGTGCTGTGACAGCGGCTACTCTCCCTGACGTGTATGGAGAGCCGGGATAG  
 TCCATTCCTTTGGCTTCGGGGTTACAAGCGGACTGGACCAAGAGAATGCAGGGCAGGTCACAGATATT  
 TGGCCTCCTCCTGAGCTTGGCCATGGCCCTGGTGGGAGGCATCATTGTGGGATTCATTTGAAATTGCC  
 TTCTGGGGCAAGCCTCGGATGAAAACCTCTCGAGGACGCCATCTACTGGGAGTTCTGAAGAGTGGA  
 ACACTGTCTACATTCTGAGGACCTCGCTCACAAACATTCTACCTCTCTGGTACCCGCAATACCTTTGGT  
 ACTTTCAACCCCTCAGCATCCATAGTTCCTCCAGTCCCTCCGACACCTCCAGCATCCTTAGCAACAGTA  
 ACTTCATCATCCTTGGTACACACTTCATCATCCTTGGTACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201898 representing NM\_183053  
 Red=Cloning site Green=Tags(s)

MAWNTNLRGRLPITCLILQVTMVVLFVGFVRYDIQADAHWWLEKKRKNISSDVENEFFYYRYPSEFEDVHAM  
 VFVGFGLMITYLQRYGFSAVGFNLLAAFGIQWALLMQGWFHFFEEGHILLSVENLIQADFCVASTCVAF  
 GAVLGKISPMQLLIMTFFQVTLFTVNEFILLNLIEAKDAGGSMTIHTFGAYFGLTVTILYRKNLEQSKQ  
 RQSSVYHSDLFAMIGTLFLWIYWPSFNSASSFHGDTQHRALNTYLSLAASVLTAVSSVIHKKGLDM  
 VHIQONATLAGGVGVTAAEMMLTPYDALIVGFFCGILSTLGFAYLSPFLESRLRIQDTCGIHNLHGIPGI  
 IGGIVGAVTAAYSPPDVYGEPIVHSFGFGGYKADWTKRMQGRSQIFGLLLSLAMALVGGIIVGFILKLP  
 FWGQASDENCEDAIYWEVPEEVNTVYIPEDLAHKHSTSLVPAIPLVLPSTPSASIVPPVPPTPPASLATV  
 TSSSLVHTSSSLVH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

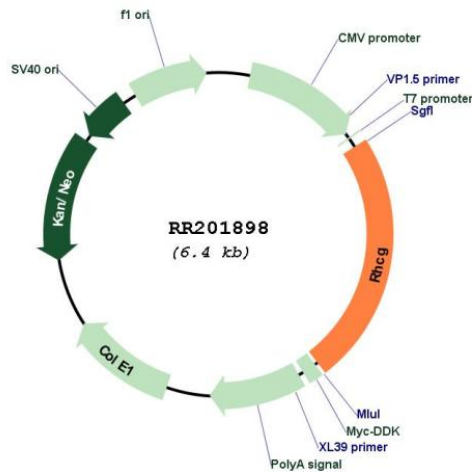
**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_183053

ORF Size: 1491 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 Size:** 1958 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 293048

**UniProt ID:** [Q7TNN9](#)

**Cytogenetics:** 1q31

**MW:** 54.7 kDa

**Gene Summary:** plasma membrane glycoprotein; mouse homolog is an ammonium transporter; may be involved in ammonium secretion into bile fluid [RGD, Feb 2006]