

Product datasheet for **MR226295**

Rhcg (NM_019799) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rhcg (NM_019799) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rhcg |
| Synonyms: | BB065800 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR226295 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGGAACACCAACCTTCGGGGCGGCTGCCATCACCTGCCTGATCCTGCAAGTGACCATGGTGG
 TTCTCTTTGGCGTGTTCGTGCGCTACGACATCCAGGCCGATGCTCACTGGTGGTTGGAGAAGAAGCGCAA
 GAACATCTCCAGCGACGTTGAGAACGAGTTTTACTATCGCTACCCGAGCTTCCAGGATGTACACGCCATG
 GTCTTCGTGGGCTTCGGCTTCTCATGACCTTCTGCAGCGCTACGGCTTCCAGCGCTGATAGGCTTCAACT
 TCCTGCTGGCAGCTTTCGGCATCCAGTGGGCACTGCTCATGCAGGGATGGTTCCATTACTTTGAAGAAGG
 CCACATTGCTCCTGAGCGTCGAGAACATCATCAAGCTGACTTCTGTGTGGCATCTTCTGTGTGGCTTC
 GGGCAGTTCTAGCAAGTCCAGCCGATGCAGCTGCTAATTATGACCTTCTTCCAAGTACTCTCTTCA
 CAGTGAATGAGTTCATCCTCCTGAACCTGATAGAGGCAAAGGATGCAGGGGGCTCTATGACCATCCACAC
 ATTTGGCGCTACTTTGGGCTCACAGTACCTGGATCCTTACCGAAAAACCTGGATCAGAGCAAGCAG
 AGACAGAGCTCAGTGTACCACTCGACCTTTTCGCCATGATTGGCACCCCTTCTTGTGGATATACTGGC
 CCAATTTCAATTCAGCCAGTTCCTTCCACGGAGATGCCAGCACCGAGCAGCCCTCAATACCTACCTCTC
 CTTGGCAGCGAGTGTGCTAACCACAGTGACAGTATCCAGTATTGTACACAAGAAGGGCAAGTTGGATATG
 GTGCACATCCAGAATGCCACGCTTGAGGTGGGTGGGTGGGCACAGCTGCGGAGATGATGCTCACAC
 CTTACGGCGCTCTCATCGTGGGGTTCTTCTGCGGCATTTTCTCCACCCTAGGATTTGCATACCTAACGCC
 ATTCCTGGAGTCCCGCTTCGCATCCAGGACACATGTGGCATTCAACCTGCACGGCATTCTGGCATC
 ATAGCGGCATTGTGGGTGCTGTGACAGCGGCTTACTCCTCCCCTGATGTGTATGGAGAGCCAGGGATAG
 TCCATTCCTTCGGCTTCGGGAGTTATAAGATGGACTGGAACAAGAGAATGCAGGGCAGTCCCAGATATT
 TGGCCTCCTCCTGAGCCTGGCCATGGCCCTGGTGGCGGCATCATTGTGGGATTCAATTTGAAATTGCCG
 TTCTGGGACAAGCTGCAGATGAGAAGTGTGTTGAGGATCCATCTACTGGGAGTTCATGAAGAGTGA
 ACACTGTCTACATTCCCGAGGACCTTGCTCACAAACATTCTACTTCTCTGGTACCTGCAATGCCCTTGGT
 ACTTCCAATACTTACAGCATCCATAGTTCCTCCAGTCCCTCCGACACCTCCAGTATCCTTAGCAACTTCA
 GCACCTTCAGCAGCCTTGGTACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226295 protein sequence
 Red=Cloning site Green=Tags(s)

MAWNTNLRGLPITCLILQVTMVLVFGVFRYDIQADAHWWLEKKRKNISSDVENEFFYYRYPSPQDVHAM
 VFGVGFGLMTFLQRYGFSAVGFNLLAAFQIQLWALLMQGWFHYFEEGHIVL SVENIQADFCVASSCVAF
 GAVLGKVSMPQLLIMTFFQVTLFTVNEFILLNLEAKDAGGSMTIHTFGAYFGLTVT WILYRKNLDQSKQ
 RQSSVYHSDLFAMIGTLFLWIYWPFSASSFHGDAQHRAALNTYL SLAASVLT TVTVSSIVHKKGLDM
 VHIQNATLAGGVGVGTAAEMMLTPYGALIVGFFCGIFSTLGFAYLTPFLESRLRIQDTCGIHNLHGIPGI
 IGGIVGAVTAAYSSPDVYGEPIVHSFGFSYKMDWNKRMQGRSQIFGLLLSLAMALVGGIIVGFIKLP
 FWGQAADENC FEDIYWEVHEEVNTVYIPEDLAHKHSTSLVPAMPLVLP TTSASIVPPVPPTPPVSLATS
 APSAALVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_019799

ORF Size: 1497 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_019799.1](#), [NM_019799.2](#), [NM_019799.3](#), [NP_062773.2](#)

RefSeq Size: 2106 bp

RefSeq ORF: 1497 bp

Locus ID: 56315

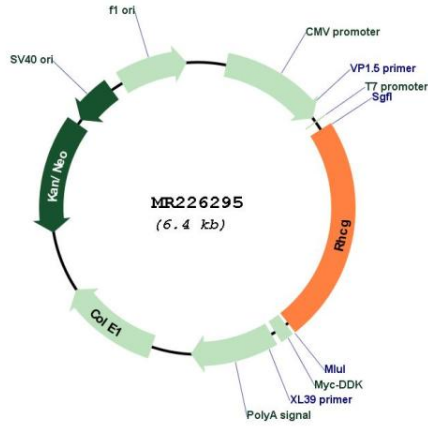
UniProt ID: [Q9QXP0](#)

Cytogenetics: 7 45.09 cM

MW: 54.9 kDa

Gene Summary: Functions as an electroneutral and bidirectional ammonium transporter. May regulate transepithelial ammonia secretion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226295