

Product datasheet for **MG226295**

Rhcg (NM_019799) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhcg (NM_019799) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rhcg
Synonyms:	BB065800
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226295 representing NM_019799
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGGAACACCAACCTTCGGGGCGGCTGCCATCACCTGCCTGATCCTGCAAGTGACCATGGTGG
 TTCTCTTTGGCGTGTTCGTGCGCTACGACATCCAGGCCGATGCTACTGGTGGTTGGAGAAGAAGCGCAA
 GAACATCTCCAGCGACGTTGAGAACGAGTTTTACTATCGCTACCCGAGCTTCCAGGATGTACACGCCATG
 GTCTTCGTGGGCTTCGGCTTCTCATGACCTTCTGCAGCGCTACGGCTTCCAGCGCTGATAGGCTTCAACT
 TCCTGCTGGCAGCTTTCGGCATCCAGTGGGCACTGCTCATGCAGGGATGGTTCCATTACTTTGAAGAAGG
 CCACATTGTCCTGAGCGTCGAGAACATCATCAAGCTGACTTCTGTGTGGCATCTTCTGTGTGGCCTTC
 GGGCAGTTCTAGGCAAGTCCAGCCGATGCAGCTGCTAATTATGACCTTCTTCCAAGTACTCTCTTCA
 CAGTGAATGAGTTCATCCTCCTGAACCTGATAGAGGCAAAGGATGCAGGGGGCTCTATGACCATCCACAC
 ATTTGGCGCTACTTTGGGCTCACAGTACCTGGATCCTCTACCGAAAAACCTGGATCAGAGCAAGCAG
 AGACAGAGCTCAGTGTACCACTCGACCTTTTCGCCATGATTGGCACCCCTTCTTGTGGATATACTGGC
 CCAATTTCAATTCAGCCAGTTCCTTCCACGGAGATGCCAGCACCGAGCAGCCCTCAATACCTACCTCTC
 CTTGGCAGCGAGTGTGCTAACCACAGTGACAGTATCCAGTATTGTACACAAGAAGGGCAAGTTGGATATG
 GTGCACATCCAGAATGCCACGCTTGAGGTGGGTGGGTGGGCACAGCTGCGGAGATGATGCTCACAC
 CTTACGGCGCTCTCATCGTGGGGTCTTCTGCGGCATTTTCTCCACCCTAGGATTTGCATACCTAACGCC
 ATTCCTGGAGTCCCGCCTTCGCATCCAGGACACATGTGGCATTCACAACCTGCACGGCATTCTGGCATC
 ATAGCGGCATTGTGGGTGCTGTGACAGCGGCTTACTCCTCCCCTGATGTGTATGGAGAGCCAGGGATAG
 TCCATTCTTCGGCTTCGGGAGTTATAAGATGGACTGGAACAAGAGAATGCAGGGCAGTCCCAGATATT
 TGGCCTCCTCCTGAGCCTGGCCATGGCCCTGGTGGCGGCATCATTGTGGGATTCATTTTGAATTTGCCG
 TTCTGGGACAAGCTGCAGATGAGAAGTGTGAGGATTCCATCTACTGGGAGTTCATGAAGAGGTGA
 ACACTGTCTACATTCCCGAGGACCTTGCTCACAAACATTCTACTTCTCTGGTACCTGCAATGCCCTTGGT
 ACTTCCAATACTTACAGCATCCATAGTTCCTCCAGTCCCTCCGACACCTCCAGTATCCTTAGCAACTTCA
 GCACCTTCAGCAGCCTTGGTACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226295 representing NM_019799
 Red=Cloning site Green=Tags(s)

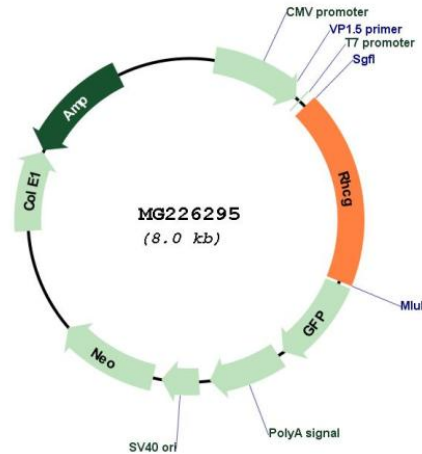
MAWNTNLRGRLPITCLILQVTMVVLFVGFVRYDIQADAHWWLEKKRKNISSDVENEFFYYRYPFQDVHAM
 VVVGFGFLMTFLQRYGFSAVGFNLLAAFGIQWALLMQGWFHYFEEGHIVL SVENIIQADFCVASSCVAF
 GAVLGKVSMPQLLIMTFFQVTLFTVNEFILLNLIEAKDAGGSMTIHTFGAYFGLTVTWILYRKNLDQSKQ
 RQSSVYHSDLFAMIGTLFLWIYWPSFNSASSFHGDAQHRAALNTYLSLAASVLTVTVSSIVHKKGLDM
 VHIQNATLAGGVGVGTAAEMMLTPYGALIVGFFCGIFSTLGFAYLTPFLESRLRIQDTCGIHNLHGIPGI
 IGGIVGAVTAAYSSPDVYGEPGIVHSFGFSGYKMDWNKRMQGRSQIFGLLLSLAMALVGGIIVGFILKLP
 FWGQAADENC FEDSIYWEVHEEVNTVYIPEDLAHKHSTSLVPAMPLVLPPTSASIVPPVPPTPPVSLATS
 APSAALVH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_019799

ORF Size: 1494 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_019799.3](#), [NP_062773.2](#)

RefSeq Size: 2106 bp

RefSeq ORF: 1497 bp

Locus ID: 56315

UniProt ID: [Q9QXP0](#)

Cytogenetics: 7 45.09 cM

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