

## Product datasheet for **SC319839**

### **RHCG (NM\_016321) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RHCG (NM_016321) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHCG
Synonyms:	C15orf6; PDRC2; RHGK; SLC42A3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016321.1  
 GAACCGCCCGCTGCCAGCCCGGCCAGGCACCCCTGCAGCATGGCCTGGAACACCAACCTC  
 CGCTGGCGGCTGCCGCTCACCTGCCTGCTCCTGCAGGTGATTATGGTGATTCTCTTCGGG  
 GTGTTTCGTGCGCTACGACTTCGAGGCCGACGCCCACTGGTGGTCAGAGAGGACGCACAAG  
 AACTTGAGCGACATGGAGAACGAATTCTACTATCGCTACCAAGCTTCCAGGACGTGCAC  
 GTGATGGTCTTCGTGGGCTTCGGCTTCTCATGACTTTCCTGCAGCGCTACGGCTTCAGC  
 GCCGTGGGCTTCAACTTCTGTGGCAGCCTTCGGCATCCAGTGGGCGCTGCTCATGCAG  
 GGCTGGTTCACCTTCTTACAAGACCGCTACATCGTCGTGGGCGTGGAGAACCTCATCAAC  
 GCTGACTTCTGCGTGGCCTCTGTCTGCGTGGCCTTTGGGCGAGTTCTGGGTAAAGTCAGC  
 CCCATTACAGTGCATCATGACTTTCTTCCAAGTGACCCCTTTCGCTGTGAATGAGTTC  
 ATTCTCCTAACCTGCTAAAGGTGAAGGATGCAGGAGGCTCCATGACCATCCACACATTT  
 GGCGCCTACTTTGGGCTCACAGTGACCCGGATCCTTACCAGCACAACCTAGAGCAGAGC  
 AAGGAGAGACAGAATTCTGTGTACCAGTCGACCTCTTGGCCATGATTGGCACCCCTTTC  
 CTGTGGATGTACTGGCCAGCTTCAACTCAGCCATATCCTACCATGGGGACAGCCAGCAC  
 CGAGCCGCCATCAACACCTACTGCTCCTTGGCAGCCTGCGTGCTTACCTCGGTGGCAATA  
 TCCAGTGCCTTGACAAGAAGGGCAAGCTGGACATGGTGACATCCAGAATGCCACGCTC  
 GCAGGAGGGGTGGCCGTGGGTACCGCTGCTGAGATGATGCTCATGCCTTACGGTGGCCCTC  
 ATCATCGGCTTCGTCTGCGGCATCATCTCCACCCTGGGTTTTGTATACCTGACCCCATTC  
 CTGGAGTCCCAGCTGCACATCCAGGACACATGCGGCATTAACAATCTGCATGGCATTCTCT  
 GGCATCATAGGCGGCATCGTGGGTGCTGTGACAGCGGCCCTCCGCCAGCCTTGAAGTCTAT  
 GGAAAAGAAGGGCTTGTCCATTCCTTTGACTTTCAAGGTTTCAACGGGGACTGGACCGCA  
 AGAACACAGGGAAAGTTCAGATTTATGGTCTCTTGGTGACCCCTGGCCATGGCCCTGATG  
 GGTGGCATCATTGTGGGCTCATTTTGAGATTACCATTCTGGGGACAACCTTCAGATGAG  
 AACTGCTTTGAGGATGCGGTCTACTGGGAGATGCCTGAAGGGAACAGCACTGTCTACATC  
 CCTGAGGACCCACCTTCAAGCCCTCAGGACCCTCAGTACCCTCAGTACCATGGTGTCC  
 CCACTACCATGGCTTCTCGGTACCCTTGGTACCCTAGGCTCCCAGGGCAGGTGAGGAG  
 CAGGCTCCACAGACTGTCTGGGGCCAGAGGAGCTGGTGTGACCTAGCTAGGGATGCA  
 AGAGTGAGCAAGCAGCACCCCCACCTGCTGGCTTGGCCTCAAGGTGCCTCCACCCTGCC  
 CTCCCCTTATCCAGGGGTCTGACTGAGAATGGAGAAGGAGAAGCTACAAAGTGGGCA  
 TCCAAGCCGGTCTGGTGCAGAAGTTCTGCCTTGCCTGGGGTCTTGGCCACATTGGA  
 GAAAAACAGGCTCAAAGTGGGGCTGGGACCTGGTGGGTGAACCTGAGCTCTCCAGGAGA  
 CAATTAGCTGCCAGTACCACCTATGAGGCTTCTTACCCCGTCCCTGCACCTCGGCCA  
 GCATCTCCTATGCTCCCTGGGTCCCCAGACCTCTCTGTGTTGTGTGCGTGGCAGCCTCC  
 AGGAATAAACATTCTTGTGTCTTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016321

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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_016321.1</a> , <a href="#">NP_057405.1</a>
<b>RefSeq Size:</b>	1952 bp
<b>RefSeq ORF:</b>	1440 bp
<b>Locus ID:</b>	51458
<b>UniProt ID:</b>	<a href="#">Q9UBD6</a>
<b>Cytogenetics:</b>	15q26.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Functions as an electroneutral and bidirectional ammonium transporter. May regulate transepithelial ammonia secretion.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes a protein.