

Product datasheet for **SC117161**

RGL2 (NM_004761) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGL2 (NM_004761) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGL2
Synonyms:	HKE1.5; KE1.5; RAB2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_004761, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCCCGGGCCCTGCGGCTGCTTTTGGACACGAGCCCCCGGGGAGTCGTA CTACTGAGCAGCTTCC
GAAGCCGGGACCCGAAGAGGGTGGGGCCAGGTGGCTGGTCGTGGCGGGGGGCAGGAGGAAGAGGA
GGAGGAAGAAGAAGAGGCCCTGTGTCCGTCTGGGATGAGGAGGAGGATGGTGCCGTGTTTACCGTCACA
AGCCGCCAATATCGACCTCTTGATCCCTTGGTCCCTATGCCTCCCCACGTTCTCCCGACGGCTCCGAG
CTGGCACTCTGGAGGCCCTGGTCAGACACCTACTGGATACCCGGACATCAGGGACTGATGTGAGCTTCAT
GTCAGCCTTCTGGCTACCCACCGGGCCTTACCTCCACGCTGCCTTGTAGGGCTTATGGCTGACAGG
CTGGAAGCCCTTGAATCTCATCTACCGACGAAGTACAGAGGACAACAGAGGTAGCCATCTCTGTACTGT
CAACTGGCTGGCCTCTCACCTGAGGATTTTGGCTCTGAGGCCAAGGGTCAGCTTGACCGGCTTGAGAG
CTTCTTACTTCAGACAGGGTATGCAGCAGGGAAGGGTGTGGGGGGGCAGCGCTGACCTCATCCGCAAT
CTCCGGTCCCGGGTGGACCCCGAGCCCGGACCTTCTAAGCCCTGGCCCTCCCGGGCATCCCCCTG
CTGACCCACGGATGTCCTGGTGTCTCGCTGACCCTTGCCGAACAGCTGACCTGCTAGATCGGGA
ACTTTTTCTCAATTTGATCCCTCTCAGTGCCTGGGAGGCTGTGGGGTACAGAGACCGCCAGGACAT
TCTCACCTCTGCCATCTGTCCGAGCTACTGTCACACAGTTTAAACAAGGTGGCAGGGGCAGTGGTTAGTT
CTGTCTGGGGGCTACTTCCACTGGAGAGGGACCTGGGGAGGTGACCATACGGCCACTCCGTCCCCACA
GAGGGCCCGGCTCCTGGAGAAGTGGATCCCGTGGCAGAGGAGTGCCGGCTGCTCCGAAACTTCTTTCA
GTTTATGCCGTGGTGTACGCCCTGCAGTCCAGCCCATCCACAGGCTTCGGGCAGCTGGGGGAAGCAA
CCAGGGACAGCCTCAGAGTCTTTCCAGCCTCTGCCAGATTTTCTCCGAGGAGGATAATTATCCAGAG
TCGGGAGCTGCTCGTGCAGGAGGTGAAGCTGCAGTCTCCTCTGGAGCCACACTCCAAGAAGGCCCGGAG
TCTGGCTCCCGGGTGGGGGTGTGGTCCCATACCTTGGCACCTTCTGAAGGACCTTGTGATGCTGGATG
CAGCCTCCAAGGATGAGTTGGAGAATGGATACATCAATTTTACAAGCGGAGGAAGGAGTTTGCAGTCTT
TCTGAGTTGCGACGGCTCCAGAATGAATGTCGTGGCTATAACCTCCAACCTGACCATGATATCCAGAGG
TGGCTACAGGGGCTCCGGCCACTGACAGAGGCTCAGAGCCATCGTGTATCCTGTGAGGTGGAGCCACCTG
GTTCCAGTGACCCTCCTGCCCCACGGGTGCTTCGGCCAACATTGGTCATCTCGCAGTGGACAGAGGTTTT
GGGCTCTGTTGGGGTCCCTACCCCGCTTGTGTCTGTGACCGGCCAGTACTGGGGGAGATGAGGCGCT
ACAACCTCTGCTCCTCTGCTGACTCGGCTGGCCAGCACATGAAGTGCCATCTGTCTCGTCACTAGACT
CTGCCTTGAAAAGCAGTCCATCCCTGCACAGTCCAGCTGACCCAGCCACCTCTCCCACCAGCCTCCTC
CCCTAGGCCTTCTCGAGTCCACCGCTCAGCCTCCTGTGGCTCCCGCTGAGTGGGGGTGAGAAGAG
GCCTCCGGGGGACTGGATATGGGGGAGAGGGATCTGGGCCAGGGCCTCTGATTGCCGTATCATCCGAG
TCCAGATGGAGTTGGGGGAAGATGGCAGTGTCTATAAGAGCATTTTGGTGACAAGCCAGGACAAGGCTCC
AAGTGTATCAGTCGTGTCTTAAGAAAAACAATCGTACTCTGCAGTGGCTTACAGATATGAGCTGGTA
CAGCTGTACAGGGGAGCGAGAGCTGACTATCCAGCCTCGGCTAATGTATTCTACGCCATGGATGGAG
CTTACACGATTTCTCCTGCGGCAGCGGCAAGGTCTCTACTGCTACACCTGGCGTACCAGTGGCCC
GTCTGCCTCAGGAACCTCCGAGTGAGGGAGGAGGGGCTCTTTCCAGGATCAAGGCCACAGGGAGG
AAGATTGCACGGCACTGTTCTGA
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004761 unedited
 TCAGAAATTTGTAATACGATCTCACTATAGGGCGGCCGGAATTCGCACCAGCAGAACCC
 ACGCTGCCCCACCCCTCCCGAGCAGGCGCCCCATGGCCCGACCCCGCTGATTCCTTCA
 CTCGGCCATGCTCCCGCGGCCCTGCGGCTGCTTTTGGACACGAGCCCCCGGGGAGT
 CGTACTGAGCAGTTCGGAAGCCGGGACCCGAAGAGGGTGGGGGCCAGGTGGCCTGTT
 CGTGGGCGGGGGCAGGAGGAAGAGGAGGAGGAAGAAGAAGAGGCCCTGTGTCCGTCTG
 GGATGAGGAGGAGGATGGTGCCGTGTTTACCGTCACAAGCCGCCAATATCGACCTTTGA
 TCCTTTGGTCCCTATGCCTCCCCACGTTCCCTCCGACGGCTCCGAGCTGGCACTTGGA
 GGCCCTGGTCAGACACCTACTGGATACCCGGACATCAGGGACTGATGTGAGCTTCATGTC
 AGCCTTCTGGCTACCCACCGGCCCTTACCTCCACGCCTGCCTTGTAGGGCTTATGGC
 TGACAGGCTGGAAGCCCTGAATCTCATCTACCGACGAAGTACAGAGGACAACAGAGGT
 AGCCATCTCTGTACTGTCAACCTGGCTGGCCTCTACCCTGAGGATTNTGGCTCTGAGGC
 CAAGGGTCAGCTTGACCGCTTGAGAGCTTCTTACTTCAGACAGGAACTNTNNTCTCA
 ATTGATCCCTCTCAGTGCCTGGGAGCCTGTGGNGTCACAGAGACCGGCCAGGACATTC
 TCACCTTGCCCATCTGTCCGAGCTACTGTACACCAGTTAACAAGGTGGCAGGNGCAGT
 GGNNTAGNTCTGTCTGGGGCTACTTCACTGGAGAGGNACTGGNGGGAGTGACCATACG
 CCACTCGTCCCAAGAGGCCCGCTCTGAGAGTGTATCGCGTGCANNAGATGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004761 unedited
 NGGGGGNNNNNNNNNTTTNNNNNAANNNTTACTTGNCCCGGCCGCATTNANGA
 TCGAGNNTTTTTTTTTTTGTTTTTTTTTTTAAAATTCAGTAGTGTGGTTTATTAT
 CTTAGTGTGTACAGTGATAGAACCCCAAATGGGAAGAAGAGCTCCTGCGAGGACCTA
 CATTTTGCCATCCCTCTGCCCTGGGGCTCAAAGCCTTGAAGCCTTTGCTTGGCCCTTG
 CATGTTAGGATATGGCCAAGAATCAGAACTGATGCGTTTTTCCAGCACTACCTGTGTGC
 TGCACTCATGGAAGGTGGGAAGCTATACACAGGTATCCAAGTGGTTATAAGACACCAGT
 TCCCACAGGGCTGGATTTCTCAGCTGTCTGGTAAACCAGTGGCACTTCACTGCCCCAGGG
 TGGCTGGCTCCCTTTCTGAATTTCTGTCTCAATGTGATATAATTGCCACCATTAGGATG
 GCTACCACATCTGGTATGAACACCATGACTTCTGTAAGCCAACGGGGCTTCTCCTCAG
 AACAGTCCCCTGCAATCTTCTCCCTGTGGCCTTGATCCTGGGAAAGGAGCCCCCTCCT
 CCCTCACTCGNAGGAGTTCCTGNAGCAGACGGGCCACTGGTGACGCCAGGTGTAGCAGTA
 GAGGACCTTCCCGCTGCCGAGGAAGAAATCGTGTGAAGCTTCAATTCATGGCGTAAAAT
 ACATTAGCCCAGGCTGGGATAGTCAGCTCTCGCTCCCTGGTACCAGCTGTACCAGCTC
 ATACTCTTGAGCCCTGCAAAGTCCCGATTGTTTTTTTTAAGGACACGACTGATGACCT
 TGGAGCCTTGCTGCCTGTACCCAAAGGCTCTATAGACACTGGCATTTCCTCCACTN
 CATTTGGACTGGATGATACGGCAATCAAAGCCCTGGCCAAAAACCTTTCCCTATCC
 AGCCCCCGGAGGCTTTTTGNACCCCACTCANNGGGGAGCCAGGAGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_004761

Insert Size:

2620 bp

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).

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:	<ol style="list-style-type: none">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_004761.2 , NP_004752.1
RefSeq Size:	2918 bp
RefSeq ORF:	2334 bp
Locus ID:	5863
UniProt ID:	O15211
Cytogenetics:	6p21.32
Domains:	RA, RasGEFN, RasGEF
Protein Families:	Druggable Genome
Gene Summary:	<p>Probable guanine nucleotide exchange factor. Putative effector of Ras and/or Rap. Associates with the GTP-bound form of Rap 1A and H-Ras in vitro (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>