

## Product datasheet for **SC322582**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for SC322582
CCACGCGTCCGGGGCCGGAGACCGACGGCAACAGCGGCTCAGGACCCACGCTGCCCCCA
CCCCTCCCAGCAGGCGCCCCCATGGCCCGACCCCGCTGATTCCTTCACTCGGCCATGCT
CCCGCGGCCCTGCGGCTGCTTTTGACACGAGCCCCCGGGGAGTCTACTGAGCAG
CTTCCGAAGCCGGGACCCGAAGAGGGTGGGGGCCAGGTGGCCTGGTCGTGGCGGGGG
GCAGGAGGAAGAGGAGGAGGAAGAAGAAGAGGCCCTGTGTCCGTCTGGGATGAGGAGGA
GGATGGTGCCGTGTTTACCGTCACAAGCCGCAATATCGACCTCTTGATCCCTTGGTCCC
TATGCCTCCCCACGTTCTCCCGACGGCTCCGAGCTGGCACTCTGGAGGCCCTGGTCAG
ACACCTACTGGATACCCGGACATCAGGGACTGATGTGAGCTTCATGTCAGCCTTCTGGC
TACCCACCGGGCCTTACCTCCACGCTGCCTTGTAGGGCTTATGGCTGACAGGCTGGA
AGCCCTTGAATCTCATCTACCGACGAAGTAGAGAGGACAACAGAGGTAGCCATCTCTGT
ACTGTCAACCTGGCTGGCCTCTCACCTGAGGATTTTGGCTCTGAGGCCAAGGGTCAGCT
TGACCGGCTTGAGAGTCTTACTTCAGACAGGGTATGCAGCAGGGAAGGGTGTGGGGG
GGGCAGCGCTGACCTCATCCGAATCTCCGGTCCCGGTGGACCCCAAGCCCGCCGACCT
TCCTAAGCCCTGGCCCTCCCGCGGATCCCCCTGCTGACCCACGGATGTCCTGGTGTT
CCTCGCTGACCACTTGGCCGAACAGCTGACCCTGCTAGATGCGGAACTTTTTCTCAATTT
GATCCCCCTCTCAGTGCCTGGGAGGCCTGTGGGGTACAGAGACCCGGCCAGGACATTCTCA
CCTCTGCCATCTGTCCGAGTACTGTACACAGTTTAAACAAGGTGGCAGGGGCAGTGGT
TAGTTCTGTCTGGGGGCTACTTCCACTGGAGAGGGACCTGGGGAGGTGACCATACGGCC
ACTCCGTCCCCACAGAGGGCCCGGCTCCTGGAGAAGTGGATCCGCGTGGCAGAGGAGTG
CCGGCTGCTCCGAAACTTCTCTTCAAGTTATGCCGTGGTGTGACCCCTGCAGTCCAGCCC
CATCCACAGGCTTCGGGCAGCCTGGGGGAAGCAACCAGGGACAGCCTCAGAGTCTTTTC
CAGCCTTGCCAGATTTTCTCCGAGGAGGATAATTATCCAGAGTCCGGAGCTGCTCGT
GCAGGAGTGAAGCTGCAGTCTCCTCTGGAGCCACACTCCAAGAAGGCCCGAGGTCTGG
CTCCCGGGGTGGGGTGTGGTCCCATACCTTGGCACCTTCTGAAGGACCTTGTGATGCT
GGATGCAGCCTCAAGGATGAGTTGGAGAATGGATACATCAATTTTGACAAGCGGAGGAA
GGAGTTTGCAGTCTTTCTGAGTTGCGACGGCTCCAGAATGAATGTCGTGGCTATAACCT
CCAACCTGACCATGATATCCAGAGGTGGCTACAGGGGCTCCGGCCACTGACAGAGGCTCA
GAGCCATCGTGTATCCTGTGAGGTGGAGCCACCTGGTTCCAGTGACCCTCCTGCCCCACG
GGTGTTCGGCCAACTTGGTCATCTCGCAGTGGACAGAGTTTTGGGCTCTGTTGGGGT
CCCTACCCGCTTGTGTCTGTGACCGGCCAGTACTGGGGGAGATGAGGCGCCTACAAC
TCCTGCTCCTCTGCTGACTCGGCTGGCCAGCACATGAAGTGGCCATCTGTCTCGTCACT
AGACTCTGCCTTGAAAGCAGTCCATCCCTGCACAGTCCAGCTGACCCCAAGCCACCTCTC
CCCACAGCCTCCTCCCCTAGGCCTTCTCGAGGTACCCGCGCTCAGCCTCCTGTGGCTC
CCCGCTGAGTGGGGTGCAGAAGAGGCCTCCGGGGGACTGGATATGGGGGAGAGGGATC
TGGGCCAGGGCCTCTGATTGCCGTATCATCCGAGTCCAGATGGAGTTGGGGGAAGATGG
CAGTGTCTATAAGAGCATTTTGGTGACAAGCCAGGACAAGGCTCCAAGTGTATCAGTGC
TGTCTTAAGAAAAACAATCGTACTCTGCAGTGGCTTCAGAGTATGAGCTGGTACAGCT
GCTACCAGGGGAGCGAGAGCTGACTATCCAGCCTCGGTAATGTATTCTACGCCATGGA
TGGAGCTTACACGATTTCTCCTGCGGCAGCGCGAAGGTCCTTACTGCTACACCTGG
CGTCAACAGTGGCCGTCTGCCTCAGGAACTCCTCCGAGTGAGGGAGGAGGGGGCTCCTT
TCCCAGGATCAAGGCCACAGGGAGGAAGATTGCACGGGCACTGTTCTGAGGAGGAAGCCC
CGTTGGCTTACAGAAGTCATGGTGTTCATACCAGATGTGGGTAGCCATCCTGAATGGTGG
CAATTATATCACATTGAGACAGAAATTCAGAAAGGGAGCCAGCCACCCTGGGGCAGTGAA
GTGCCACTGGTTTACCAGACAGCTGAGAAATCCAGCCCTGTGGGAACTGGTGTCTTATAA
CCAAGTTGGATACCTGTGTATAGCTTCCACCTTCCATGAGTGCAGCACACAGGTAGTGC
TGGAAAAACGCATCAGTTTCTGATTCCTTGGCCATATCCTAACATGCAAGGGCCAAGCAAA
GGCTTCAAGGCTCTGAGCCCAGGGCAGAGGGGAATGGCAAAATGTAGGTCTCGCAGGA
GCTCTTCTCCACTCTGGGGTTTCTATCACTGTGACAACACTAAGATAATAAAACAAA
ACACTACCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA
```

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_004761
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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_004761.2</a> , <a href="#">NP_004752.1</a>
<b>RefSeq Size:</b>	2918 bp
<b>RefSeq ORF:</b>	2334 bp
<b>Locus ID:</b>	5863
<b>UniProt ID:</b>	<a href="#">O15211</a>
<b>Cytogenetics:</b>	6p21.32
<b>Domains:</b>	RA, RasGEFN, RasGEF
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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>