

Product datasheet for **SC306627**

RGL4 (NM_153615) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGL4 (NM_153615) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGL4
Synonyms:	Rgr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306627 representing NM_153615.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGGAAGCTGCTCACAAATCTGCCTGCAGCTGCAGTCTTGAGTGCCAGGTGTACAGTGCTGTGCTC
CAGGGCCTTTGGGAAGAGAATGTCTGTGGGACGCCAGGGCGCACGAGGGTCTGTACAGCCCTGCTGTAT
GGCCAGGTCTGCCCTTCCAGGACAGCACTGATGGCTTACGCACCATCACCTCCATTTTGTCAACTGG
CCCCCGAAAACACTTCAGTTTACTATCAGCCCCGCAACGGTCACTCTTCCGGATAAAGCTGGCCTTC
AGGAACCTCTCCTGGCCTGGACTGGGCTTGAGGACCATCAGGAAATTGCTAGGCCAGTTGGTGCTT
CCGGAGCCCAACGAGGCCAAGCCAGATGATCCTGCTCCACGTCTGGGCAACACGCATTAACAATGCCG
GCCCTGGAGCCAGCACCACCACTGCTGGCGACCTGGGGCTGCTCTGGAGCCAGAGTCACCTGCAGCC
CTGGGTCCACCAGGATATCTACATTCAGCACCAGGGCCAGCACCAGCACCAGGGGAAGGGCCCCCTCCA
GGGACAGTGCTGGAGCCACAGTCAGCCCCAGAGTCTCCTGTCCCTGCTGCTGGGTCTGTAAGAACCAA
CCCAGTGAGGAGCTGCCTGACATGACGACCTTCCCTCCAGGCTGCTGGCAGAGCAGCTGACCCCTCATG
GATGCGGAGCTGTTCAAGAAGGTGGTGCTCCACGAATGCTTGGGCTGCATCTGGGGCCAAGGACATCTG
AAGGGGAATGAGCACATGGCACCCACAGTTCGTGCCACCATCGCACACTTCAACAGGCTCACCAACTGC
ATCACCACTCCTGCCTCGGGGACCACAGCATGAGGGCCCGGGACAGGGCCAGGGTGGTGAGCACTGG
ATCAAGGTGGCCAGGGAGTGCCTAAGCCTCAACAACTTCTCCTCGGTGCACGTATCGTCTCTGCTCTG
TGCAGCAACCCAAAGGTGAGTACACAAGACGTGGGCAGGAGTGTCCAGCAAAAGCATGAAAGAGCTA
AAAGAACTCTGCAAAAAGAGACTGCAGTGAAGAGGGACCTACTGATCAAGGCGGGGAGCTTTAAGGTG
GCCACCCAGGAGAGGAACCCCGAGAGTCCAGATGAGGCTGCGGAGGCAGAAGAAGGGTGTGGTCCCC
TTCCTGGGGGATTTTCTGACTGAGTTACAGAGGCTGGATTGCGCCATCCCGGACGACCTGGATGGCAAC
ACCAACAAGAGGAGCAAGGAGGTCCGAGTTCTGCAGGAAATGCAGCTGCTCCAAGTGGCTGCCATGAAT
TACAGGCTTCGGCCTCTTGAGAAATTTGTACCTATTTACAAGAATGGAGCAGCTCAGTGACAAAGAG
AGCTACAAGCTGTCTGCCAGCTGGAGCCCGAAAACCGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_153615

Insert Size: 1422 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).

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).

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_153615.1](#)

RefSeq Size: 2897 bp

RefSeq ORF: 1422 bp

Locus ID: 266747

UniProt ID: [Q8IZJ4](#)

Cytogenetics: 22q11.23

MW: 52.3 kDa

Gene Summary: This oncogene encodes a protein similar to guanine nucleotide exchange factor Ral guanine dissociation stimulator. Increased expression of this gene leads to translocation of the encoded protein to the cell membrane. The encoded protein can activate several pathways, including the Ras-Raf-MEK-ERK cascade. [provided by RefSeq, Jul 2016]
 Transcript Variant: This variant (2) lacks an alternate 3' coding exon compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.