

Product datasheet for **RC239526**

RGL1 (NM_001297669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGL1 (NM_001297669) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGL1
Synonyms:	RGL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239526 representing NM_001297669
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGTGAAACCTGTGGGAGAACCTACTCAAGAGGTGTCTAAATTCAACTTTCCACCAAGGTAGAAA
 GCACGGGACACTGGCTGGTGAAGATCATGTTTCAATATGGGAAGTTTTAAAGACAGAGGAGTTGAAGG
 GGACCAGCTGCCTCCAGGACACACAGTCAGTCAATATGAAACCTGTAAGATCAGGACCATAAAAGCTGGC
 ACCTTGGAGAAGCTTGTGGAGAACCTGCTGACAGCTTTTGGGACAATGACTTTACCTATATCAGCATCT
 TTCTTTCAACGTACAGAGGCTTTGCCTCCACTAAAGAAGTGTGGAAGTACTGCTGGACAGGTATGGAAA
 CCTGACAAGCCCAAACCTGTGAAGAAGATGGAAGCCAAAGTTCATCAGAGTCCAAATGGTGATCAGGAAT
 GCAATCGCTTCCATACTAAGGGCTGGCTTGACCAGTGTGCAGAAGACTCCGAGAGCCCCCTCACTTCC
 CTTGCTTACAGAACTGCTGGATTATCTCACACGGATGATGCCGGGCTCTGACCCAGAAAGAAGAGCACA
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 AGCCTGGAAGAGGAAGAGGAACTGGAGGGTGGAGAGTCAGCAGAATTCAGTGCTTCTCAGAAGATCTCG
 TGGCAGAGCAGCTGACCTACATGGATGCACAACCTTCAAGAAAGTAGTGCCTCACCCTGCCTGGGCTG
 CATTTGGTCTCGAAGGGATAAGAAGGAAAACAAACATTTGGCTCCTACGATCCGTGCCACCATCTCTCAG
 TTTAATACCCTCACCAATGTGTTGTCAGCACCATCCTGGGGGGCAAAGAACTCAAACTCAGCAGAGAG
 CCAAAATCATTGAGAAGTGGATCAACATCGCTCATGAATGTAGACTCCTGAAGAATTTTCTCCTTGAG
 GGCCATCGTTTCGGCACTGCAGTCTAATTCATCTATCGGTTAAAAAAGACTTGGGCTGCCGTCCCAAGG
 GACCGAATGCTGATGTTTGAAGAAGTTCAGATATCTTCTCAGACCATAATAACCATTTGACCAGCCGAG
 AACTACTGATGAAGGAAGGAACCTCAAAATTTGCAAACCTGGACAGCAGTGTGAAAGAAAACAGGAAGCG
 TACCCAGAGGCGGCTGCAGCTCCAGAAGGACATGGGTGTGATGCAGGGAACCTGTGCCCTACCTGGGCACC
 TTCTGACTGACCTGACCATGCTTGACACTGCCCTTCAGGACTACATCGAGGGTGGACTGATAAACTTTG
 AGAAAAGGAGAAGGGAATTTGAAGTGATTGCCAGATAAAGCTCTTACAGTCTGCCTGCAACAGCTATTG
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 GCCCTGTCATGTGAGATTGAAGCAGCTGCTGACGCCAGCACCTCGCCCAAGCCTCGGAAGAGCATGG
 TGAAGAGACTCAGCCTACTGTTTCTAGGGTCTGACATGATCACCAGTCCCACTCCCAACAAAGAGCAGCC
 CAAGTCCACTGCCAGCGGAGCTCTGGTGAAGCATGGACTCTGTCAGCGTGTCTCCTGCGAGTGAAC
 CACTCAGAGGCTGAGGAGGGCTCCATTACTCCATGGACACCCCTGATGAGCCTCAAAAAAGCTCTCTG
 AGTCCTCCTCATCCTGTTCTTCTATCCATTCCATGGACACAAATTCCTCAGGGATGTCTTCTTAATCAA
 CCCCCTCTCCTCCCTCCGTCCTGCAACAACAACCCCAAAATCCACAAGCGCTCTGTCTCGGTGACGTCC
 ATTACCTCGACTGTGCTGCCTCCTGTTTACAACCAACAGAATGAAGACACCTGCATAATCCGCATCAGTG
 TGGAAGACAATAACGGCAACATGTACAAGAGCATCATGTTGACGAGCCAGGATAAAACCCCGCTGTGAT
 CCAGAGAGCCATGCTGAAGCACAATCTGGACTCAGACCCCGCCGAGGAGTACGAGCTGGTGCAGGTCATC
 TCGGAGGACAAAGAACTTGTGATTCCAGACTCAGCAATGTCTTTATGCCATGAACAGCCAAGTGAAC
 TTGACTTCATTTTGCACAAAAGAACTCCATGGAAGAACAAAGTGAACCTGCGTAGCCGGACCAAGCTTGAC
 GTTGCCAGGACAGCTAAACGGGGCTGCTGGAGTAACAGACACAGCAAAATCACCCCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239526 representing NM_001297669
 Red=Cloning site Green=Tags(s)

MEVKPVGEPTQEVSKFKLSTKVESTGHWLVEDHVRIWEVLKTEEVEGDQLPPGHTVSQYETCKIRTIKAG
 TLEKLVENLLTAFGDNFTYISIFLSTYRGFASTKEVLELLLDYGNLTSPNCEEDGSQSSSESKMVIRN
 AIASILRAWLDQCAEDFREPPHFPCQLKLLDYLTRMPGSDPERRAQNLEQFQKQEVETDNGLPNTISF
 SLEEEEELEGGESAFTCFSEDLVAEQLTYMDAQLFKKVPPHCLGCIWSRRDKKENKHLAPTIRATISQ
 FNTLTCKVYSTILGGKELKTQQRAKIIEKWINIAHECRLLKNFSSLRAIVSALQNSIYRLKKTWAAVPR
 DRMLMFEELSDIFSDHNNHLSRELLMKEGTSKFANLDSSVKENQKRTQRRQLQKDMGVMQGTVPYLG
 FLTDLTMDLTALQDYIEGGLINFEKRRREFEVIAQIKLLQSACNSYCMTPDQKFIQWFQRQQLL TEEESY
 ALSCEIEAAADASTTSPKPRKSMVKRLSLLFLGSDMITSPTPTKEQPKSTASGSSGESMDSVSVSSCESN
 HSEAEESITPMDTPDEPQKLSSESSSSCSIHSMDTNSGMSLINPLSPPSCNNNPKIHKRSVSVTS
 ITSTVLPPVYNQNECTCIIRISVEDNNGNMYKSIMLT SQDKTPAVIQRAMLKHNLDSDPAEEYELVQVI
 SEDKELVIPDSANVFYAMNSQVNFDFILRKNSMEEQVKLSRTSLTLPR TAKRGCSNRHSKITL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001297669

ORF Size: 2298 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001297669.2

RefSeq Size: 5157 bp

RefSeq ORF: 2301 bp

Locus ID: 23179

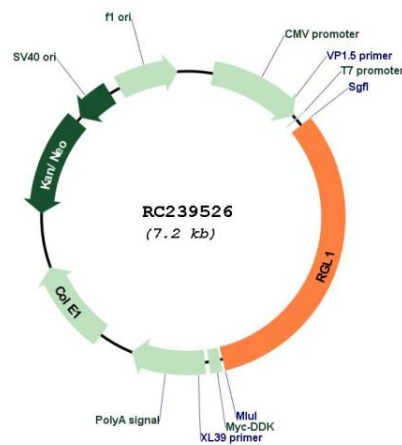
UniProt ID: Q9NZL6

Cytogenetics: 1q25.3

MW: 87 kDa

Gene Summary: Probable guanine nucleotide exchange factor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239526