

Product datasheet for **RC236544**

RERGL (NM_001286201) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RERGL (NM_001286201) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RERGL
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236544 representing NM_001286201
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGATGTGAAGCTTGTCTTGGTGGTGAAGGAACAGGCAAATCTGCCCTTACAGTGAGGTTTC
TACTAAGCGATTCAATTGGAGAATATGCTTCTAATTTGAATCTATCTATAAGAAGCACTGTGTTTGA
AAGGAAACAATAAATCTAGAAATATGACCCCTGTTCTCAAACACAGAAAGCAAATCTCCCTCACA
AGTGAGCTTCACTGGGCAGATGGGTTTGTATTGTGTATGACATCAGTGATAGGTCTTCATTTGCTTTTG
CAAAGCGCTGATCTACAGAATCCGGGAGCCACAACTAGTCATTGTAAGAGCTGTGGAATCAGCAGT
GTTTTGGTTGGCAACAAACGAGATCTTTGTCATGTGCGAGAGGTTGGCTGGGAAGAAGGCAAAAGCTG
GCACTGGAAAACCGATGCCAATTCTGTGAAGTGTCTGCAGCAGAGCAGTCTCTGGAGGTGAAATGATGT
TTATCAGAATTATCAAGGACATCCTGATAAACTCAAACCAAAGAAAAGAGACGTCCAGTGGATCTAA
ATCAATGGCCAAATTGATCAATAATGTATTGGAAAGAGAAGGAAATCTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236544 representing NM_001286201
Red=Cloning site Green=Tags(s)

MNDVKLAVLGGEGTGKSALTVRFLTKRFIGEYASNFESIYKHLCLERKQLNLEIYDPCSQTQKAKFSLT
SELHWADGFVIVYDISDRSSFAKALYRIREPQTSCHKRAVESAVFLVGNKRDLCVREVGWEEGQKL
ALENRCQFCELSAEQSLEVEMMFIIRI IKDILINFKLKEKRRPSGSKSMAKLINNVFGKRRKSV

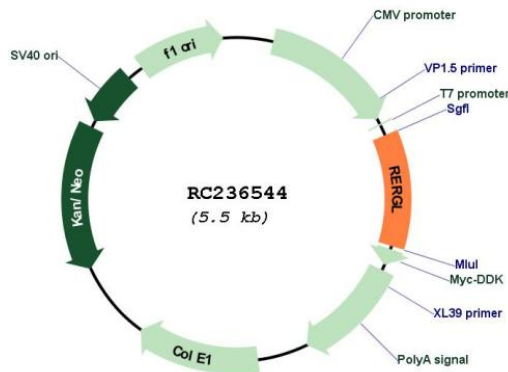
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001286201

ORF Size: 612 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:	<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:	<u>NM_001286201.2</u>
RefSeq Size:	1005 bp
RefSeq ORF:	615 bp
Locus ID:	79785
UniProt ID:	<u>Q9H628</u>
Cytogenetics:	12p12.3
MW:	23.9 kDa
Gene Summary:	Binds GDP/GTP and may possess intrinsic GTPase activity.[UniProtKB/Swiss-Prot Function]