

Product datasheet for **SC321282**

RERG (NM_032918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RERG (NM_032918) Human Untagged Clone
Tag:	Tag Free
Symbol:	RERG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032918.1
 CGCCGGGCCACTGGCACTTGCTTCTGCGGCGAGTCCCACCCACGACCCGACGCCAGCAAC
 TCGCAAACGCAACCTGAAGCCTGGGCTGCGCAGTGTGGGAGGGCTTCGCGATCTTGGGG
 ACCCATTCGAACTTGCAGAGGACCGTAGCTCTCTGGCTGGAGAGTGTGAACAGGATT
 GTGGACTCTTCCAAGATTCACAATGATATGGTGAATCCAAAGACTGGAACAAAAAGATT
 TACTCAGTGCTTTAGTTTTAACAACAGTAAATTGTCTACCAACACCCATCATGGCTAAAA
 GTGCGGAGGTCAAACCTGGCAATATTTGGGAGAGCAGGCGTGGGCAAGTCAGCTCTGTAG
 TGAGATTTCTGACCAAACGGTTCATCTGGGAATATGATCCCACCCTCGAATCAACCTACC
 GACACCAAGCAACCATCGATGATGAAGTTGTTTCCATGGAGATACTAGACTGCTGGTC
 AGGAAGATACCATTAGAGGGAGGGGCACATGCGATGGGGGAAGGCTTTGTGCTGGTCT
 ACGACATTACTGACCGAGGAAGTTTTGAGGAAGTGTGCCACTTAAGAATCCTAGATG
 AGATCAAAAAGCCCAAGAATGTGACTCTCATCTTGTTGGAAACAAGCTGACTTGGACC
 ACTCCAGGCAGGTTAGCACAGAAGAAGGAGAGAAGCTGGCCACAGAATTGGCTTGTGCTT
 TTTACGAGTGCTCTGCCTGCACTGGAGAAGGGAACATCACAGAGATATTCTATGAATTGT
 GTCGAGAGGTGCGTCGCGGAGGATGGTGCAGGGCAAGACGAGGGCAGCGAGCTCCACCA
 CGCATGTCAAGCAAGCCATTAACAAGATGCTCACCAAAATCAGTAGTTAGGCAGCCAGC
 TGAGGTGGACCAACTAATTGAAACACTTCCCCTTCTGTTCCCTTTCAAAAATAAAA
 CAAAATATTGCATTCTTTGTTGGATTCTGAGAAATGTCTGGGCTTCCATTGTTTCTGG
 CCTCTAATAGGTTGGGAAGTTTTAGCGTGTTTATGCAATTCAGTGCTAACAATTTCTT
 CCTTCTGCTTGAATAAGATACACTCTAATGGCATTGAAACATGTAATCACCAGAGATT
 CTGAAATGACTGGTTTATGTTAAGCTATTTTTAGGCATCTCACCTTGTCTTAAGTAGGT
 TGAAGTTTTGCAAAGGCATTTAAAAATCAATTTCTGTGAGATACTACAAATAATTTT
 CTTAAAGTCTAAGATAGCAGAAAATACAGTAAAAACACAGGAGAAGAAGCTGAGCTATT
 GGAACAGGAAATAGAAGGAAGTCTAGTTTCTGTTTGAAGTGAGGATTTTCTGAATTATCT
 AATATCATCTAGTTTTCTTTAAAAATTTATTTTGTCTTCAAGTCAAGCATCTTCTCAC
 TAATGTTTTTCACTATAACAGAGAATTCATTTCAATTTGAGTTGGTTCTCTCAATGATCT
 ATTGATCATTACCCCTAACTCTCCTTCTGGCTCAAACAATATTTTCCCTATAACAAA
 GGCAATAGGACACAAAATTCACATCCTGCTGGGCTTTTTTTCATCAAGTCAGGTGATAT
 AAAACATTGGAAGTCTTTTACCAAACCTGACTTTATGAATGCTAGTAGAAGATGTA
 GAATTAGAGACATCTGATTTGTTTATCACCTTAGCAGAAAAACCACAGTCCAAAAGACAA
 GCAAATTAAGAAATGGAGCTTAACCATGCCTCCATTGGGAAGTCTAGACTTTGAGCCAGGT
 ACAGTAAGAAAAATTAGCCTCTGATTCATTAAGTTTGCCACATGACTTATTTTGATATT
 TGGATACATTAACACTTAGGAGAATTCAGAAAAGAATGGGTGATTAAGTTCATTACA
 GCTGAATAAATGTGTCTAAAACAGACTCTTGATTTCTGAAAGTACAGTCTACAACGATA
 AAACCTTATGATCTTTTCTCCCCATTATGCCCTATATATATCAAGATTTGGGTA
 TATTTTAGTAGAAAAATATATCTTTTACATATGTATGATTTATAAATGCATAGATATA
 TGTATAAAAATTTGTAAGCGTTAGCGGCATTAATTCACCAATGCATTTGGACAACCTGAT
 GTAACCTGACTTTATTTTATGTGACTATAATAAAAAGCATAATTTTCTCATTCTGTCAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032918

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:	<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_032918.1</u> , <u>NP_116307.1</u>
RefSeq Size:	2240 bp
RefSeq ORF:	600 bp
Locus ID:	85004
UniProt ID:	<u>Q96A58</u>
Cytogenetics:	12p12.3
Domains:	ras, RAS, RHO, RAB
Protein Families:	Druggable Genome
Gene Summary:	RERG, a member of the RAS superfamily of GTPases, inhibits cell proliferation and tumor formation (Finlin et al., 2001 [PubMed 11533059]).[supplied by OMIM, Mar 2009] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).