

## Product datasheet for **SC333138**

### RRAGC (NM\_001271851) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RRAGC (NM\_001271851) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RRAGC  
**Synonyms:** GTR2; RAGC; TIB929  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333138 representing NM\_001271851.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCCTGCAGTACGGGGCGGAGGAGACGCCCTCGCCGGCAGTTACGGCGCGGCCGATTCTGTTTCCA
AAGGACTTCGGCTACGGCGTGGAGGAGGAAGAGGAGCGCGCGCGGGCGGAGGGTTGGGGCA
GGGGCAGGCGGTGGTGTGGTCCGGGGGGCGCTGACAGCTCCAAGCCGAGGATTCTGCTCATGGGACTC
CGGCGCAGCGCAAGTCTCCATCCAGAAGATATGGGATTTTCTGGGCAATGGACTTTTTTGACCCA
ACCTTTGACTATGAGATGATCTTCAGGGGAACAGGAGCATTGATATACGTCATTGACGCACAGGATGAC
TACATGGAGGCTTAAACAAGACTTCACATTACTGTTTCTAAAGCCTACAAAGTTAACCCAGACATGAAT
TTTGAGGTTTTTATTACAAAGTTGATGGTCTGTCTGATGATCACAAAATAGAAACACAGAGGGACATT
CATCAAAGGGCCAATGATGACCTTGAGATGCTGGGCTAGAAAACTCCATCTTAGCTTTTATCTGACT
AGTATCTATGACCATTCAATATTTGAAGCCTTTAGTAAGGTGGTGCAGAACTCATTCCACAACCTGCCG
ACCTTGGAAAACCTATTAATAATCTTTATATCAAATTCAGGTATTGAAAAGCTTTTCTCTTTGATGTT
GTCAGCAAAATCTACATTGCAACAGACAGTCCCTGTGGATATGCAATCTTATGAACTTTGCTGTGAC
ATGATCGATGTTGTAATTGATGTGTCTTGTATATATGGGTTAAAGGAAGATGGAAGTGAAGTGCCTTAT
GACAAAGAATCTATGGCAATTATCAAGCTGAATAATACTGTCCTTTATTTAAAGGAGGTGACTAAA
TTTTTGGCACTGGTCTGCATTCTAAGGGAAGAAAGCTTTGAAAGAAAAGTTTAAATAGACTACAACCTC
CACTGTTTCCGAAAAGCTATTCATGAGGTTTTTGAGGTGGGTGTGACTTCTCACAGGAGCTGTGGTCAC
CAGACTAGTGCCCTCCAGTCTGAAAGCGCTGACACACAATGGCACGCCACGAAACGCCATCTAG
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271851  
**Insert Size:** 1098 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).



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<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>	<u><a href="#">NM_001271851.1</a></u>
<b>RefSeq Size:</b>	2644 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	64121
<b>UniProt ID:</b>	<u><a href="#">Q9HB90</a></u>
<b>Cytogenetics:</b>	1p34.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the GTR/RAG GTP-binding protein family. The encoded protein is a monomeric guanine nucleotide-binding protein which forms a heterodimer with RRAGA and RRAGB and is primarily localized to the cytoplasm. The encoded protein promotes intracellular localization of the mTOR complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.</p>