

Product datasheet for **SC112941**

RRAGD (NM_021244) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RRAGD (NM_021244) Human Untagged Clone
Tag:	Tag Free
Symbol:	RRAGD
Synonyms:	bA11D8.2.1; RAGD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_021244 edited

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ATGAGCCAGGTGCTGGGGAAGCCGACGCCGAGGACGAGGACGACGCGGAGGAGGAGGAG
GAGGAGGATGAGCTGGTGGGGCTAGCGGACTACGGAGACGGGCCGACTCCTCCGACGCC
GATCCGGACAGCGGCACAGAGGAGGAGTCTGGACTTCAGTGACCCCTTCAGCACTGAA
GTGAAGCCGAGAATCCTGCTCATGGGCCTGAGGAGAAGCGGCAAGTCGTCTATTAGAAA
GTTGTCTTTACAAAATGTCTCCCAACGAACTCTGTTCTTGAGAGCACTAATAAGATA
TGCCGGGAAGATGTTTCCAACAGCTCCTTTGTCAATTTTCAGATTTGGGACTTCCAGGA
CAGATTGACTTTTTTACCCTACATTTGACTATGAGATGATCTCCGGGGAACAGGAGCA
CTGATATTTGTCATTGACTCACAGGATGATTACATGGAAGCCCTGGCCAGGCTCCACCTC
ACGGTGACCAGGGCCTACAAAGTGAATACTGACATCAACTTCGAGGTGTTTATTCATAAA
GTGGATGGTCTGTCAGATGACCACAAAATTGAAACCCAAAGAGATATTCACCAGAGGGCA
AACGATGACCTTGAGATGCTGGATTAGAAAAAATTCACCTCAGCTTTTATCTGACAAGC
ATATATGATCATTCAATATTTGAAGCTTTTAGCAAAGTTGTTTCAGAAACTGATTCCACAA
CTCCCAACTCTGGAGAATTTGCTGAACATCTTTATCTCAAATTCTGGAATTGAAAAGGCA
TTTCTATTTGATGTGGTCAGTAAATTTATATTGCAACTGATAGTACTCCGGTGGATATG
CAAACCTATGAGCTCTGCTGTGATATGATAGATGTGGTTATTGACATCTTTGATTTAT
GGTCTCAAAGAAGATGGAGCAGGAACCCCTATGACAAGGAATCCACAGCCATCATAAG
CTTAATAATACAACCGTGCTTTATTTAAAGAGGTGACAAAGTTCTGGCTCTCGTTTGC
TTTGTGAGAGAGGAAAGCTTTGAAAGAAAAGGGCTAATTGACTATAATTTTCATTGCTTC
CGGAAGGCCATTGATGAAGTTTTTGAGGTGAGAATGAAAGTAGTAAAAATCTCGAAAGGTT
CAGAATCGGCTGCAGAAGAAAAAGAGAGCCACCCCTAATGGGACCCCTAGAGTGCTGCTG
TAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021244 unedited

```
TTTTAGGATATTTGTATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGCCTCG
TGCCGAATTCGCGGAGGAATAGGCTCGGGCGGCCGGCTAGGAGGCTTGCCCCCACCCC
GGGACCCCCGCCGTCCCCGGGCCGGCCGGCCGGTGGGCACGATGAGCCAGGTGCTGGGGA
AGCCGCAGCCGCAGGACGAGGACGACGCGGAGGAGGAGGAGGAGGATGAGCTGGTGG
GGCTAGCGGACTACGGAGACGGGCCCCGACTCCTCCGACGCCGATCCGGACAGCGGCACAG
AGGAGGGAGTTCTGGA CTTCAGTACCCTTCAGCACTGAAGTGAAGCCGAGAATCTCTGC
TCATGGGCCTGAGGAGAAGCGGCAAGTCGTCTATTAGAAAAGTTGTCTTTCACAAAATGT
CTCCCAACGAAACTCTGTTCTTGAGAGACTAATAAGATATGCCGGGAAGATGTTTCCA
ACAGCTCCTTTGTCAATTTTCAGATTTGGGACTTCCCAGGACAGATTGACTTTTTTGACC
CTACATTTGACTATGAGATGATCTTCCGGGGAACAGGAGCACTGATATTTGTCA TTGACT
CACAGGATGATTACATGGAAGCCCTGGCCAGGCTCCACCTCACGGTGACCAGGGCCTACA
AAGTGAATACTGACATCAACTTCGAGGTGTTTATTATACAGTGGATGGTCTGTGCAGATG
ACCACAAAATTGAAACCCANAGAGATATTCACCAGAGGGCAACGATGACCTTGCAGATG
CTGGATTAGAAAAATTCACTCAGCTTTTATCTGACAGCATATATGATCATTCATATTTG
AAGCCTTTAGACAAAGTTGTTCAGAACTGATCCACACTCCCCTCTGGAGATTTGCTGAC
ATCTTATCTC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021244 unedited

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CCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAAACAACAAATCAATGGTA
TGTGTCCCAATCTCCTTCTCTCTTCTCTTCTAGTGAACATGGCGCAGCAGCCTCATGGA
TAAGGTCTGATTTCAAAGACATTCTGAAACCTCACCTACAGCAGCACTCTAGGGGTCC
CATTAGGGGTGGCTCTCTTTTTCTCTGCAGCCGATTCTGAACCTTTCGAGATTTTACTA
CTTTCATTCTCACCTCAAAAACCTCATGAATGGCCTTCGGAAGCAATGAAAATTATAGT
CAATTAGCCCTTTTCTTCAAAGCTTTCCTCTCTGACAAGCAAAACGAGAGCCAGGAAC
TTGTACCTCTTTTAAATAAAGCACGGTTGTATTATTAAAGCTTTATGATGGCTGTGGATT
CCTTGTCTATAGGGGGTTCCTGCTCCATCTTCTTTGAGACCATAAATACAAGAGATGTCAA
TAACCACATCTATCATATCACAGCAGAGCTCATAGGTTTGCATATCCACCGGAGTACTAT
CAGTTGCAATATAAATTTTACTGACCACATCAATAGAAATGCCTTTTCAATTCCAGAAT
TTGAGATAAAGATGTTCCAGCANATTCTCCAGAGTTGGGAAGTTGTGCGAATCAGTTTCTG
AACAACTTTGCTAAAAGCTTCAATATTGAATGATCATATATGCTTNGTCAGATAAAAAGT
GAGGTGAAATTTTTCTATCCCGCATCTGCAAGATCATCGTTTGCCTCTGGTGATATCCTC
TTGGGTTAAATTTGTGTGTCATCTGACAGACCATCCATTATGAATAAGGCTCCAAGGT
GATGGCAGTATTTCATTTGTAGCCCTGGCCCCGTGAGTTGAGCCTGCCAGGCCTCCATGAA
CATCCTGTGATCAGACAATTCAGGCTCCTGTCCCCGNAGACATTTATATACATGG
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Restriction Sites:

Not|-Not|

ACCN:

NM 021244

Insert Size:

1500 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).

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:	<u>NM_021244.2, NP_067067.1</u>
RefSeq Size:	1453 bp
RefSeq ORF:	1203 bp
Locus ID:	58528
UniProt ID:	<u>Q9NQL2</u>
Cytogenetics:	6q15
Domains:	Gtr1_RagA
Gene Summary:	RRAGD is a monomeric guanine nucleotide-binding protein, or G protein. By binding GTP or GDP, small G proteins act as molecular switches in numerous cell processes and signaling pathways.[supplied by OMIM, Apr 2004]