

Product datasheet for SC322965

RRAD (NM_001128850) Human Untagged Clone

Product data:

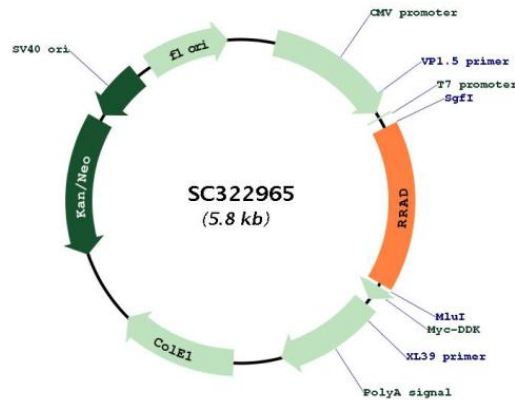
Product Type:	Expression Plasmids
Product Name:	RRAD (NM_001128850) Human Untagged Clone
Tag:	Tag Free
Symbol:	RRAD
Synonyms:	RAD; RAD1; REM3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322965 representing NM_001128850. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCTGAACGGCGGGCAGCGGAGCGGGCGGAGCCGCGGTGGGGCCAGGAGCGCGAGCGCCGT
CGGGGCAGCACACCCTGGGGCCCCGCCCGCCGCTGCACCGCCGAGCATGCCGGTGGACGAGCGCGAC
CTGCAGGCGGGCTGACCCCGGGTGCCTGACGGCGCCCGGGCCGGGACGGGGACCCAGGGTCCCAGG
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TCACTCATGGTCTACGACATTTGGGAGCAGGACGGGGCCGCTGTTGCCCGCCACTGCATGGCCATG
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GTCCAGCTGCGGCGTGCACGGCAAACAGATGATGTGCCATCATCCTCGTGGGCAACAAGAGCGACCTG
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CGCAGGGACAGCAAAGAAGCCAACGCACGACGGCAAGCAGGACCCGGAGGCGAGAGAGCCTTGGCAA
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AAGTCTGCCACGACCTCTCGTTCTCTAG
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001128850

Insert Size: 927 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).

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:

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: [NM_001128850.1](#)

RefSeq Size: 1476 bp

RefSeq ORF: 927 bp

Locus ID:	6236
UniProt ID:	P55042
Cytogenetics:	16q22.1
MW:	33.2 kDa
Gene Summary:	<p>May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p>