

## Product datasheet for **RN203249**

### Ralgds (NM\_019250) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgds (NM_019250) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ralgds
Synonyms:	Rgds
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203249 representing NM\_019250  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGCAGCGCATGTGGGCCGAGGCGTCCGGGCCATAGGGGGCCGAGCCGTTGTTCCCGGCTCCC  
 GCGCAGCCGACGCGTGTGGACGCCGTGCGTCTGGAGGTGGCGTCCCTGACAGCTGTCCAGTGGTGCT  
 GCACAGCTTACGCAGCTCGACCCGATCTGCCGCGCCTGGAGAGCTCTACGCAGGAGATTGGGGAGGAG  
 CTGATCAACGGGGTCACTACTCCATCTCCCTGCGCAAGGTTAGCTACACCCAGGAGCCACCAAGGGCC  
 AGCGCTGGCTAGGGTGCAGAAATGAGTCAGCTCTGAACCTCTACGAGACTTGCAAGGTGCGCACGGTGAA  
 GGCCGGTACTCTGGAGAAGCTGGTGAACACCTGGTGCCTGCCTCCAGGGCAGTGACCTTTCCTACGTC  
 ACCGTATTCCTGTGCACCTACAGAGCCTTACAACCACTCAGCAGGTGCTAGACCTGCTGTTCAAAAGAT  
 ATGGCTGCATCCTCCCTACTCCAGTGAGGACGGCGGACCACAGGACCAACTCAAAAATGCCATCTCTTC  
 CATCCTGGGCACCTGGCTGGACCAATACTCCGAGGACTTCTGTCAACCCCGGACTTTCCTGCCTCAAG  
 CAGCTGGTGGCTTATGTGCAGCTCAACATGCCTGGCTCAGACCTGGAGCGCCGTGCTCACCTTCTCCTGG  
 CCCAGCTGGAGGACCTGGAGCCAGTGAGGTTGAGCCTGAGGCCCTGTCCCCAGCTCCAGTGCTGTCTCT  
 GAAACCAGCTTACAGCTAGAACCAGCTCCCGCCTGCTTCTGACGCCAGCCGAGCTGTGGCATCCACT  
 CCAGTCCGAGAGCCAGCCCCGGTGCCAGTACTGGCATCCAGCCGGTGGTGGCGCCAGCCTCTGAGCTAG  
 AACCAGCTCTGGAGCCGCCCTAGACCTGAGCCAACCTCGCACCTGCTCCAGAGCTGGACCCACTGT  
 CTCACAGAGCCTCACCTCGAGCCCGCTCCCGTGGCCGCTCCTGCATTAGAGCCTTCTGGCCTCTGCCT  
 GAAACCACGGAGAACGGACTGTGTGCAAAGCCTCACCTACTGCTGTTCCCTCCAGACTGGTGGTGAAC  
 AGTTTACGCTGATGGACGCAGAGCTATTCAAGAAAGTTGTGCCCTACCAGTGCCTGGCTCCATCTGGTC  
 CCAGCGGGACAAGAAGGGCAAGGAGACCTCGCGCCACCATCCGTGCCACTGTGCGCCAGTTCAACAAC  
 GTGGCCAACTGTGTCACTACCACCTGCCTTGGGGACCAGAGTATGAAAGCTTCGGACAGGGCCCGGGTGG  
 TGGAACTGGATCGAGGTGGCCAGGGAGTGCCAGGGTGTCAAGAATTTCTCCTCCTCTACGCCATCCT  
 CTCTGCCCTACAGAGCAATGCCATCCACCGCCCTAAAGAAGACATGGGAAGAGGTCTCCAGGGGACGCTTT  
 CGAGTGTCCAGAACTGTGAGAAATCTTCTCTGATGAGAACAATACTCCTTGAGCAGAGAGCTGCTCA  
 TCAAGGAAGAACCTCCAAGTTTCCACGCTGGAGATGAACCCTAGGAGAACCAGAGCCGCGCAGAAAGGA  
 GACAGGTGTATCCAGGGCACTGTCCCCTACCTGGGCACATTCTCACTGACCTGGTGTGCTGGACACA  
 GCCATGAAGGACTATCTATATGGGAGACTGATCAACTTTGAAAAGAGGAGGAAGGAGTTCGAAGTATCG  
 CCCAGATCAAGTTGCTCCAGTCCGCTGCAACAATACTACAGCATTGTTCCCGAGGAGCACTTTGGAGCCTG  
 GTTCCGAGCCATGGGACGGCTCAGCGAGGCTGAGAGCTACAACCTGTCGTGTGAGCTGGAGCCCCGGTCT  
 GAGTCAGCCAGCAACACCTGAGGAGCAAGAAAAGCACAGCTATCGTCAAGCGCTGGAGCGACCCGCCAGG  
 CTCCCAGCACGGAGCTCAGCACCAGTAGCAGTGCACACTCCAAGTCATGTGACCAGCTCCGGTGCAGCCC  
 CTACCTCAGCAGCGGGGACATCACGGACGCACTCAGTGTGCACTCAGCTGGTTTATCCAGCTCTGACGTG  
 GAGGAGATCAACATGAGCTTTGTTCCAGAGTCTCCTGATGGCCAGGAAAAGAAAGTTCTGGGAGTCAAGCT  
 CCCAGTCTGCCCCAGAGACCTCTGGCATCAGCTCGGCCCTCCAGCAGCACCTCCTTTCGTGACGCTCTAC  
 CACACCGGTGTCTACCACAGCACCCACAAGCGCTCTGTCTCAGGGGTCTGCAGCTACAGCTCCTCACTG  
 CCACTCTACAACCAGCAGGTGGGCGACTGCTGCATCATCAGGGTACGCTGGATGTGGACAACGGCAACA  
 TGTACAAGAGCATCCTGGTGACCAGCCAGGATAAGGCTCCGACTGTATCCGAAAAGCCATGGACAACA  
 CAACCTAGATGAGGACGAGCCCGAGGACTATGAGCTGCTGCAGATCATCTCAGAGGACCACAAGCTGAAA  
 ATTCCAGAGAACGCCAATGTGTTCTATGCCATGAACTCTGCCCAACTATGACTTCATCTAAAGAAGC  
 GGGCCTTCACTAAGGGGGCTAAAGTCAAGCATGGAGCCAGCTCCACTCTCCCTCGAATGAAGCAGAAGGG  
 ACTCAGGATTGCCAGAGGCATCTCTAA

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_019250

<b>Insert Size:</b>	2688 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_019250.2</a> , <a href="#">NP_062123.2</a>
<b>RefSeq Size:</b>	3684 bp
<b>RefSeq ORF:</b>	2688 bp
<b>Locus ID:</b>	29622
<b>UniProt ID:</b>	<a href="#">Q03386</a>
<b>Cytogenetics:</b>	3p12
<b>Gene Summary:</b>	facilitates conversion of Ras-related GTPase (Ral) to its GTP-bound form; may be involved in cardiac hypertrophy [RGD, Feb 2006]