

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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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
 ACCGTATTCCTGTGCACCTACAGAGCCTTACAACCCTCAGCAGGTGCTAGACCTGCTGTTCAAAAGAT
 ATGGCTGCATCCTTCCCTACTCCAGTGAGGACGGCGGACCACAGGACCAACTCAAAAATGCCATCTCTTC
 CATCCTGGGCACCTGGCTGGACCAATACTCCGAGGACTTCTGTCAACCCCGGACTTTCCTGCCTCAAG
 CAGCTGGTGGCTTATGTGCAGCTCAACATGCCTGGCTCAGACCTGGAGCGCCGTGCTCACCTTCTCCTGG
 CCCAGCTGGAGGACCTGGAGCCCAGTGAGGTTGAGCCTGAGGCCCTGTCCCCAGCTCCAGTGCTGTCTCT
 GAAACCAGCTTACAGCTAGAACCAGCTCCCGCCTGCTTCTGACGCCAGCCGAGCTGTGGCATCCACT
 CCAGTCCGAGAGCCAGCCCCGGTGCCAGTACTGGCATCCAGCCGGTGGTGGCGCCAGCCTCTGAGCTAG
 AACCAGCTCTGGAGCCGCCCTAGACCTGAGCCAACCTCGCACCTGCTCCAGAGCTGGACCCACTGT
 CTCACAGAGCCTCACCTCGAGCCCGCTCCCGTGGCCGCTCCTGCATTAGAGCCTTCTGGCCTCTGCCT
 GAAACCACGGAGAACGGACTGTGTGCAAGCCTCACCTACTGCTGTTCCCTCCAGACTGGTGGCTGAAC
 AGTTTACGCTGATGGACGCAGAGCTATTCAAGAAAGTTGTGCCCTACCAGTGCCTGGCTCCATCTGGTC
 CCAGCGGGACAAGAAGGGCAAGGAGACCTCGCGCCACCATCCGTGCCACTGTGCGCCAGTTCAACAAC
 GTGGCCAACTGTGTATCACACCTGCCTTGGGGACCAGAGTATGAAAGCTTCGGACAGGGCCCGGGTGG
 TGGAACTGGATCGAGGTGGCCAGGGAGTGCAGGGTGTCAAGAATTTCTCCTCCTCTACGCCATCCT
 CTCTGCCCTACAGAGCAATGCCATCCACCGCCCTAAAGAAGACATGGGAAGAGGTCTCCAGGGGACGCTTT
 CGAGTGTCCAGAACTGTGAGAAATCTTCTGTGATGAGAACAATACTCCTTGAGCAGAGAGCTGCTCA
 TCAAGGAAGAACCTCCAAGTTTCCACGCTGGAGATGAACCCTAGGAGAACCAGAGCCGCGCAGAAAGGA
 GACAGGTGTATCCAGGGCACTGTCCCCTACCTGGGCACATTCTCACTGACCTGGTGTGCTGGACACA
 GCCATGAAGGACTATCTATATGGGAGACTGATCAACTTTGAAAAGAGGAGGAAGGAGTTCGAAGTATCG
 CCCAGATCAAGTTGCTCCAGTCCGCTGCAACAATAACAGCATTGTTCCCGAGGAGCACTTTGGAGCCTG
 GTTCCGAGCCATGGGACGGCTCAGCGAGGCTGAGAGCTACAACCTGTCGTGTGAGCTGGAGCCCCGGTCT
 GAGTCAGCCAGCAACACCTGAGGAGCAAGAAAAGCACAGCTATCGTCAAGCGCTGGAGCGACCCGACGG
 CTCCCAGCACGGAGCTCAGCACCAGTAGCAGTGCACACTCCAAGTCATGTGACCAGCTCCGGTGCAGCCC
 CTACCTCAGCAGCGGGGACATCACGGACGCACTCAGTGTGCACTCAGCTGGTTTATCCAGCTCTGACGTG
 GAGGAGATCAACATGAGCTTTGTTCCAGAGTCTCCTGATGGCCAGGAAAAGAAGTTCTGGGAGTCAAGCT
 CCCAGTCTGCCCCAGAGACCTCTGGCATCAGCTCGGCCCTCCAGCAGCACCTCCTTTCGTGACGCTCTAC
 CACACCGGTGTCTACCACAGCACCCACAAGCGCTCTGTCTCAGGGGTCTGCAGCTACAGCTCCTCACTG
 CCACTCTACAACCAGCAGGTGGGCGACTGCTGCATCATCAGGGTCAAGCCTGGATGTGGACAACGGCAACA
 TGTACAAGAGCATCCTGGTGACCAGCCAGGATAAGGCTCCGACTGTATCCGAAAAGCCATGGACAACA
 CAACCTAGATGAGGACGAGCCCGAGGACTATGAGCTGCTGCAGATCATCTCAGAGGACCACAAGCTGAAA
 ATTCCAGAGAACGCCAATGTGTTCTATGCCATGAACTCTGCCCAACTATGACTTATCTTAAAGAAGC
 GGGCCTTCACTAAGGGGGCTAAGTCAAGCATGGAGCCAGCTCCACTCTCCCTCGAATGAAGCAGAAGGG
 ACTCAGGATTGCCAGAGGCATCTCTAA

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_019250

Insert Size:	2688 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:	<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_019250.2</u> , <u>NP_062123.2</u>
RefSeq Size:	3684 bp
RefSeq ORF:	2688 bp
Locus ID:	29622
UniProt ID:	<u>Q03386</u>
Cytogenetics:	3p12
Gene Summary:	facilitates conversion of Ras-related GTPase (Ral) to its GTP-bound form; may be involved in cardiac hypertrophy [RGD, Feb 2006]