

Product datasheet for **RC235027**

RALGDS (NM_001271775) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALGDS (NM_001271775) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RALGDS
Synonyms:	RalGEF; RGDS; RGF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC235027 representing NM_001271775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCGGAAGCAGGCCAGGTTTGTGCCAGGCTGCCGTGCCAGGGGAGGAAGGGCTCTGTGTTCT
 TTGCCTGTGTCTCTGTGGTGACCGCCAGGAGAAGGGCCGTCGCCGCTCGTCCAAAGCCGAC
 ACCTTGGCTGGCACCTCTGCCAGCACCGGCCACCACCGAGAGCTCCACGCAGGAGATCGGTGAGGAGCTG
 ATCAACGGAGTCACTACTCCATCTCCCTGCGCAAGGTGCAGCTGCACCACGGAGGAACAAGGGGCAGC
 GCTGGCTCGGGTATGAGAATGAGTCGGCCCTGAACCTTTATGAGACTTGAAGGTGCGGACCGTGAAGGC
 TGGCACGCTGGAGAAGCTGGTGGAGCACCTGGTCCAGCCTTCCAGGGCAGCGACCTCTCCTACGTCACC
 ATCTTCTGTGTACCTATAGAGCCTTACCACCACCCAACAGGTCCTGGACCTGTGTTCAAAGGTACG
 GTAGATGTGACGCCCTCACGGCCTCCTAGATACGGCTGCATCCTCCCCTATTCGACGAGGATGTTGG
 ACCCCAGGACCACTTAAAAATGCCATCTCCTCCATCCTGGGCACCTGGTGGACCAGTACTCGGAGGAT
 TTCTGTCAACCTCCGGACTTTCCCTGCCTCAAGCAGCTGGTGGCCTACGTGCAGCTCAACATGCCAGGCT
 CAGACCTGGAGCGCCGTGCCACCTTCTCCTGGCCAGCTGGAGCACTCGGAACCCATTGAGGCAGAGCC
 TGAGGCTCTGTACCAGTGCCAGCTCTAAAACCACTCCAGAGCTCGAGCTAGCTCTAACACCAGCTCGA
 GCACCCAGCCAGTGCCGGCTCCAGCCCGGAGCCAGAGCCAGCTCCAACACCAGCTCCAGGTTCCAGAGC
 TAGAAGTAGTCCAGCACCAGCTCCGGAGCTCCAGCAGGCTCCAGAGCCAGCTGTGGGACTAGAATCGGC
 TCCAGCGCCAGCTCTGGAAGTAGAGCCAGCTCCAGAACAGGATCCAGCTCCCTCACAACCTTAGAGCTG
 GAGCCAGCTCCAGCACCAGTCCATCATTACAGCCTTCCCTGGCCTCACCTGTGGTTGCAGAGAACGGGC
 TGAGTGAGGAGAAGCCTCACCTTGGTGTCCCTCCAGATCTGGTGGCAGAGCAGTTTACACTGATGGA
 TCCGGAAGTGTCAAGAAGGTGGTGGCCCTACCCTGCTGGGCTCCATCTGGTCCCAGCGGACAAGAAG
 GGCAAGGAGCACCTGGCGCCACCATCCGCGCCACTGTCACCCAGTTCAACAGTGTGGCCAACTGTGTCA
 TCACCACCTGCCTCGGGAACCGAAGCACGAAAGCCCGAGACAGGGCCAGGGTGGTGGAGCACTGGATCGA
 GGTGGCCAGGGAGTGCCGGATCTCAAGAACTTCTCGTCACTGTATGCCATCCTCTCTGCCCTGCAGAGC
 AACTCCATCCACCGTCTGAAGAAGACGTGGGAAGACGTTTCCAGGGACAGTTTCCGGATCTTTCAGAAGC
 TGTCAGAGATCTTCTCAGATGAGAACAACACTACTATTGAGCCGGGAGCTGCTCATCAAGGAGGGCACCTC
 CAAGTTTGGCACCTGGAGATGAACCCCAAGAGAGCCAGAAACGGCCGAAGGAGACGGGCATCATCCAG
 GGCACCGTTCCCTACCTGGGCACGTTCCCTACCGACCTGGTGTGCTGGACTGCCATGAAGGACTATC
 TGTATGGCAGACTCATCAACTTTGAGAAGAGGAGGAAGGAGTTCCGAGGTGATCGCCAGATCAAGCTGCT
 GCAGTCCGGCTGCAACAACACTACAGCATCCGCGCCAGATGAGCAATTTGGGGCCTGGTTCCGGGCCGTGGAG
 CGGCTCAGCGAGACTGAGAGCTACAACCTGTGTCGCGAGCTGGAGCCCCATCCGAGTCAGCCAGCAACA
 CCCTCAGGACCAAGAAGAACACAGCCATTGTCAAGCGCTGGAGCGACCGCCAGGCCCCAGCACTGAGCT
 CAGTACCAGTGGCAGCTCCCACTCCAAGTCTGTGACCAGCTCAGGTGTGGCCCCACCTCAGCAGCGGG
 GACATCGCTGACGCGCTCAGCGTCACTCGCCGGCTCCTCTAGCTCCGACGTGGAGGAGATCAACATCA
 GCTTCGTCGGGAGTCTCCTGATGGCCAGGAAAAGAAGTTCTGGGAATCAGCCTCACAGTCAATCCCGGA
 GACCTCCGGCATCAGCTCAGCCTCCAGCAGCACCTCGTCTCCTCAGCCTCCACCACGCCGTGGCTGCC
 ACAGCACCCACAAGCGCTGTCTCAGGGCTCTGCAACTCCAGCTCCGCGCTGCCGCTCTACAACCAGC
 AGGTGGGCGACTGCTGTATCATCCGCGTCAAGCCTGGACGTGGACAATGGCAACATGTACAAGAGCATCCT
 GGTGACCAGCCAAGATAAGGCTCCGGCTGTAATCCGCAAGGCCATGGACAAAACAACCTGGAGGAGGAG
 GAGCCGGAGGACTATGAGCTGCTGCAGATTCTCTCAGATGACCGGAAGCTGAAGATCCCTGAAAACGCCA
 ACGTCTTCTATGCCATGAACTCTACCGCAACTATGACTTTGTCTCAAGAAGCGGACCTTACCAAGGG
 AGTGAAGGTCAAGCACGGAGCCAGCTCCACCCTCCCTCGCATGAAGCAGAAAGGACTCAAGATTGCCAAG
 GGCATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235027 representing NM_001271775
 Red=Cloning site Green=Tags(s)

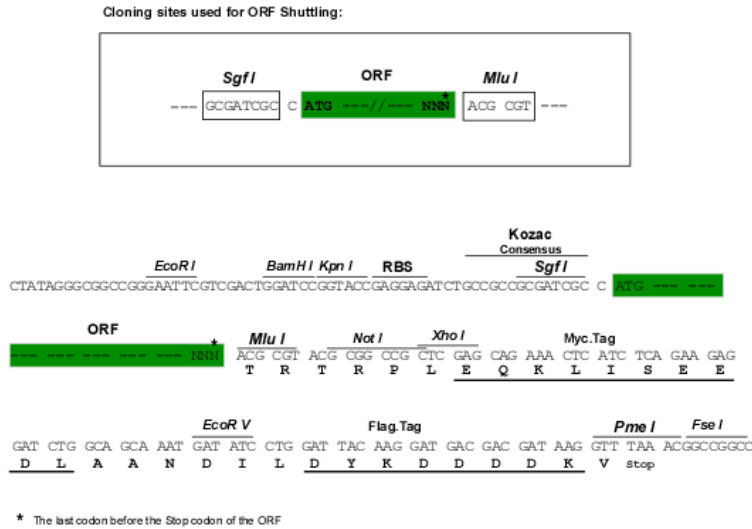
MAREAGQVCARPVPRGRKGSVFFACVSVVTARRRAVARRAALQSPTPWLAPLPAPATTESSTQEIGEEL
 INGVIYSISLRKVQLHHGGNKGQRWLGYNESALNLYETCKVRTVKAGTLEKLVEHLVPAFQGSLSYVT
 IFLCTYRAFTTTQVLDLLFKRYGRCDALTASSRYGCILPYSDEDEGGPQDQLKNAISSILGTWLDQYSED
 FCQPPDFPCKLQLVAYVQLNMPGSDLERRAHLAQLHESEPIEAPEALSPVPALKPTPELELALTPAR
 APSPVPAPAPEPEPAPTAPGSELEVAPAPAPAPAPAPAVGLESAPEALEPEAPEQDPAPSQTLEL
 EPAPAPVPSLQPSWSPVVAENGLSEKPHLLVFPPDLVAEQFTLMDAELFKKVVPYHCLGSIWSQRDKK
 GKEHLAPTIRATVTQFNVSANCVITTCGNGRSTKAPDRARVVEHWIEVARECRILKNFSSLYAILSALQS
 NSIHRLLKKTWEDVSRDSFRIFQKLSEIFSDENNYSLRELLIKEGTSKFATLEMNPKRAQKRPKETGIIQ
 GTVPYLGTFLTDLVMLDTAMKDYLGRLLINFEKRRKEFEVIAQIKLLQSACNNYSIAPDEQFGAWFRAVE
 RLSETESYNLSCELEPPSESANLRTKKNTAIVKRWSRQAPSTELSTSGSSHSKSCDQLRCGPYLSGG
 DIADALSVHSAGSSSDVEEINISFVPESPDGQEKKFWEASQSPPETSGISSASSSTSSSASTTPVAA
 TRTHKRSVSGLCNSSALPLYNQVGDCCIIRVSLDVDNGNMYKSILVTSQDKAPAVIRKAMDKNLEEE
 EPEDYELLQILSDDRKLKIPENANVFYAMNSTANYDFVLKRTFTKGVKVKHGASSTLPRMKQKGLKIAK
 GIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

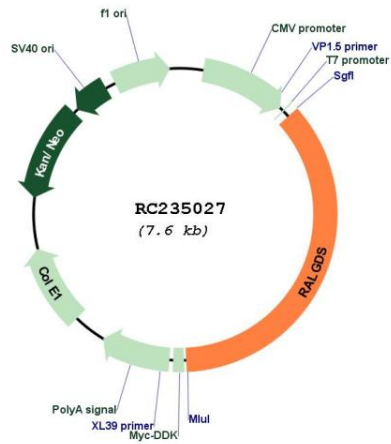


ACCN: NM_001271775

ORF Size: 2739 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001271775.2
RefSeq Size:	3714 bp
RefSeq ORF:	2742 bp
Locus ID:	5900
UniProt ID:	Q12967
Cytogenetics:	9q34.13-q34.2
Protein Pathways:	Colorectal cancer, Pancreatic cancer, Pathways in cancer
MW:	100.8 kDa
Gene Summary:	Guanine nucleotide dissociation stimulators (GDSs, or exchange factors), such as RALGDS, are effectors of Ras-related GTPases (see MIM 190020) that participate in signaling for a variety of cellular processes.[supplied by OMIM, Nov 2010]

Product images:



Circular map for RC235027