

Product datasheet for **RG216933**

RALGDS (NM_006266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALGDS (NM_006266) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RALGDS
Synonyms:	RalGEF; RGDS; RGF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG216933 representing NM_006266
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCAGCGCATGTGGGCCGAGGCGGCCGGCCTGCTGGCGGCCGAGCCGCTGTTCCGGGCTCCC
 GCGGAGCCGACGCGTGTGGACGCCGTGCGCCTGGAGGTGGCGTCCCCGACAGCTGCCGGTGGTGT
 GCACAGCTTACGACGCTAGACCCGACCTGCCGCGCCGGAGAGCTCCACGACGAGATCGGTGAGGAG
 CTGATCAACGGAGTCATCTACTCCATCTCCCTGCGCAAGGTGCAGCTGCACCACGGAGGCAACAAGGGC
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 GGCTGGCAGCTGGAGAAGCTGGTGGAGCACCTGGTGCCAGCCTTCCAGGGCAGCGACCTCTCTACGTC
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 AAGGGCATCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216933 representing NM_006266
 Red=Cloning site Green=Tags(s)

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MVQRMWAEAGPAGGAEPLFPGSRRSRSVWDAVRLEVGVPDSCPVVLSHFTQLDPDLRPESSTQEIGEE
LINGVIYSISLRKVQLHHGGNGKQRWLGYNESALNLYETCKVRTVKAGTLEKLVEHLVPAFQGSLSYV
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GDIADALSVHSAGSSSSDVEEINISFVPESPDQGEKFFWESASQSPETSGISSASSSTSSSASTPVA
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EEDPEDYELLQILSDDRKLKIPENANVFYAMNSTANYDFVLKKRTFTKGVKVKHGASSTLPRMKQKGLKIA
KGIF
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

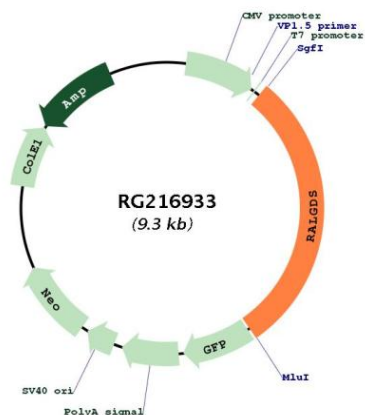
Cloning Scheme:



ACCN: NM_006266

ORF Size:	2742 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_006266.4
RefSeq Size:	3656 bp
RefSeq ORF:	2745 bp
Locus ID:	5900
UniProt ID:	Q12967
Cytogenetics:	9q34.13-q34.2
Domains:	RA, RasGEFN, RasGEF
Protein Pathways:	Colorectal cancer, Pancreatic cancer, Pathways in cancer
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 RG216933