

Product datasheet for **RG201982**

RALB (NM_002881) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RALB (NM_002881) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RALB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201982 representing NM_002881
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCAACAAGAGTAAGGGCCAGAGCTCCTTGGCCCTCCACAAGGTGATCATGGTTGGCAGCGGAG
GCGTTGGCAAGTCAGCCCTGACGCTTCAGTTCATGTATGACGAGTTTGTAGAAGACTATGAACCTACCAA
AGCTGACAGTTATAGAAAGAAAGTGGTTCTTGTATGGGGAAGAAGTTCAGATAGATATTCTGGACACCGCT
GGGCAAGAGGACTACGCAGCCATTCGAGATAACTACTTTCGGAGTGGGGAAGGGTTCTTCTTGTGTTCT
CAATCACAGAACATGAATCCTTTACAGCAACTGCCGAATTCAGGGAACAGATTCTCCGTGTAAGGCTGA
AGAAGATAAAAATTCCACTGCTCGTGGGAAACAAGTCTGACCTAGAGGAGCGGAGGCAGGTGCCTGTG
GAGGAGGCCAGGAGTAAAGCCGAAGAGTGGGCGTGCAGTACGTGGAGACGTGAGCGAAGACCCGGGCCA
ACGTGGACAAGGTGTTCTTTGACCTAATGAGAGAAATCAGAACAAAGAAGATGTCAGAAAACAAAGACAA
GAATGGCAAGAAAAGCAGCAAGAACAAGAAAAGTTTTAAAGAAAGATGTTGCTTACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201982 representing NM_002881
Red=Cloning site Green=Tags(s)

MAANKSKGQSSLALHKVIMVSGGVGKSAALTLQFMYDEFVEDYEPTKADSYRKKVVLGDGEEVQIDILDTA
GQEDYAAIRDNYFRSGEGFLLVFSITEHESFTATAEFREQILRVKAEEDIPLLVVGNKSDLEERRQVPV
EEARSKAEWGVQYVETSAKTRANVDKVFDFLMREIRTKKMSENKDKNGKKSSKNKKSFKERCCLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_002881

ORF Size: 618 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:

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_002881.3](#)

RefSeq Size: 2275 bp

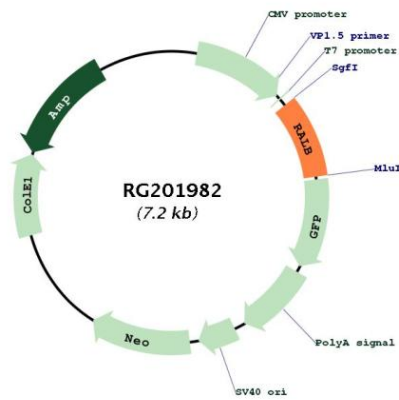
RefSeq ORF: 621 bp

Locus ID: 5899

UniProt ID: [P11234](#)

Cytogenetics:	2q14.2
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Pancreatic cancer, Pathways in cancer
Gene Summary:	This gene encodes a GTP-binding protein that belongs to the small GTPase superfamily and Ras family of proteins. GTP-binding proteins mediate the transmembrane signaling initiated by the occupancy of certain cell surface receptors. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201982