

Product datasheet for **SC118324**

RALB (NM_002881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALB (NM_002881) Human Untagged Clone
Tag:	Tag Free
Symbol:	RALB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118324 sequence for NM_002881 edited (data generated by NextGen Sequencing)

```
ATGGCTGCCAACAAGAGTAAGGGCCAGAGCTCCTTGGCCCTCCACAAGGTGATCATGGTT
GGCAGCGGAGGCGTTGGCAAGTCAGCCCTGACGCTTCAGTTCATGTATGACGAGTTTGTA
GAAGACTATGAACCTACCAAAGCTGACAGTTATAGAAAGAAAGTGGTTCTTGATGGGGAA
GAAGTTCAGATAGATATTCTGGACACCGCTGGGCAAGAGGACTACGCAGCCATTCGAGAT
AACTACTTTCGGAGTGGGGAAGGTTTCTTCTTGTTCTCAATCACAGAACATGAATCC
TTTACAGCAACTGCCAATTCAGGGAACAGATTCTCCGTGTGAAGGCTGAAGAAGATAAA
ATTCCACTGCTCGTCGTGGGAAACAAGTCTGACCTAGAGGAGCGGAGGCAGGTGCCTGTG
GAGGAGGCCAGGAGTAAAGCCGAAGAGTGGGGCGTGCAGTACGTGGAGACGTCAGCGAAG
ACCCGGGCCAACGTGGACAAGGTGTTCTTTGACCTAATGAGAGAAATCAGAACAAAGAAG
ATGTCAGAAAACAAAGACAAGAATGGCAAGAAAAGCAGCAAGAACAAGAAAAGTTTTAAA
GAAAGATGTTGCTTACTATGA
```

Clone variation with respect to NM_002881.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002881 unedited
 NGGTCACATTTGTATCCGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCTGGTCCCT
 GCAGCTCTTCAGTGGGTATCTGTGTGTACAGCCTCAGAAGACCAGCGAGATGGCTGCC
 AACAAAGAGTAAGGGCCAGAGCTCCTTGGCCCTCCACAAGGTGATCATGGTTGGCAGCGGA
 GGGCTTGGCAAGTCAGCCTGACGCTTCAGTTCATGTATGACGAGTTTGTAGAAGACTAT
 GAACCTACCAAAGCTGACAGTTATAGAAAAGAAAGTGGTCTTGATGGGGAAGAAGTTCAG
 ATAGATATTCGGACACCCTGGGCAAGAGGACTACGCAGCCATTCGAGATAACTACTTT
 CGGAGTGGGGAAGGGTTTCTTCTGTGTTCTCAATCACAGAACATGAATCCTTTACAGCA
 ACTGCCGAATTCAGGGAACAGATTCTCCGTGTGAAGGCTGAAGAAGATAAAATCCACTG
 CTCGTCGTGGGAAACAAGTCTGACCTAGAGGAGCGGAGGCAGGTGCCTGTGGAGGAGGCC
 AGGAGTAAAGCCGAAGAGTGGGGCGTGCAGTACGTGGAGACGTCAGCGAAGACCCGGGCC
 AACGTGGACAAGGTGTTCTTTGACCTAATGAGAGAAATCAGAACANAGAAGATGCAGAA
 AACANAGACAAGAATGGCAAGAAAAGCAGCAAGAACAAGAAAAGTTTTAAAGAAAGATGT
 TGCTTACTATGAGTGTCAAGGTGACGGATGAAGCCAGCTGCTCCTAAGACACAGGNTGG
 GTTGGTAAAAGAAGCTATGGTTGACTTCTGCTTGTGCTTCCCACTCTCCCCGACTTCAT
 TCACTCAAACCTTTTAAATGGGGAATAAATTTGTGACTCTGTGGCTGGCANAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002881 unedited
 ACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTATTTGTCTGCTTTTT
 TATTTCAAAAAAAAAAGCCCATGATTTTGGGAGGGGATACAGGATTGTTTTCCAGTCAGA
 TCATAATTTCTACCATCTCTGTGACAATCATAAATTCAAAAGGTTCCCACTCTCCGCACC
 CCGATTCATTTTGGCACCTATATGAAATGTCGCTTCTGAAAAATGGGAAAAAATGT
 GAATACTGGGCTTTCCACAGTGTCTCTTCTGATGAAAATCTTTCAGTTTGCTCAAT
 TTAGAATACTGATGCAAGAAAGTTTAAAGATATGTCATCAATGAAAATCTTTTTCTAACT
 ATCTGGCTATCTTAGAAAATAATTATATTAGAAACAGCAGCCAATTCTCAGAGGCAAGG
 GGCGATGGCTTATCTCTCTACTTCTAATTTTAAATTTAGAATTACAGAGCAATTCTAT
 GAGAGGTAGCAGAAGGTCTGGCACAGGCTCTGGCTTCATGATTTTCAAGTACAACCTTAA
 CTCATCACGTCTTTGGGAAGAGTGTGTGTGACACTTAGCAAGAGGCTCACTAGACCTCCG
 TGTGCAGTGTGATGATCAGACAGACACATGCATTCACTACTAGTGGAGAGGGAGGGGCC
 TAACCAGAGGACAGGCAGTTAGGAGAGGACTTANCCAAAGAACTAAAAATATCTACACA
 AGTGGCAATGTGTGCATTTATAATGCACACCATTCTGAGTCTTCACTTGGTCTGCCAA
 AAAAATTCCTACAGAAAATCAGGATGCTTACAGAGAAAAATACCCACCAGATTATATAGG
 CCATGTTAANTAGAGGAAACACTCACTTCACTTTCATATGGAGGAGATCAAACCTNG
 AATGC

Restriction Sites:

NotI-NotI

ACCN:

NM_002881

Insert Size:

2240 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:	NM_002881.2 , NP_002872.1
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]