

Product datasheet for **SC115258**

RABL2A (NM_013412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABL2A (NM_013412) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABL2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115258 sequence for NM_013412 edited (data generated by NextGen Sequencing)

```
ATGGCAGAAGACAAAACCAACCGAGTGAGTTGGACCAAGGGAAGTATGATGCTGATGAC
AACGTGAAGATCATCTGCCTGGGAGACAGCGCAGTGGGCAATCCAAACTCATGGAGAGA
TTTCTCATGGATGGCTTTTCAGCCACAGCAGCTGTCCACGTACGCCCTGACCCTGTACAAG
CACACAGCCACGGTAGATGGCAAGACCATCCTTGTGGACTTTTGGGACACGGCAGGCCAG
GAGCGTTCCAGAGCATGCATGCCTCCTACTACCACAAGGCCATGCCTGCATCATGGTG
TTTGATATACAGAGGAAAGTCACCTATAGGAACCTGAGCACCTGGTATACAGAGCTTCGG
GAGTTCAGGCCAGAGATCCCATGCATCGTGGTGGCCAATAAAATTGATGACATAAACGTG
ACCCAAAAAAGCTTCAATTTTGC AAGAAGTTCTCCCTGCCCTGTATTTTCGTCTCGCT
GCTGATGGTACCAATGTTGTGAAGCTCTTCAATGATGCAATTCGATTAGCTGTGTCTTAC
AAACAGAACTCCCAGGACTTCATGGATGAGATTTTTCAGGAGCTCGAGAACTTCAGCTTG
GAGCAGGAAGAGGAGGACGTGCCAGACCAGGAACAGAGCAGCAGCATTGAGACCCCATCA
GAGGAGGTGGCCTCTCCCCACAGCTGA
```

Clone variation with respect to NM_013412.2
648 c=>t



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013412 unedited
 AATTTGTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCATCATGCT
 TTCCAGGCATCTGCCACTTCCCAGGAATTGTCTCCCTGGATAAACAAAGCGAAGTCCCTG
 GCTGTGCAGAAGCAGTAGCTGTGTGGTGGCACAGTCAGGAAAACTCGGGGGCCCTGTTGA
 CAGTGACAATACCCTCCCTCCCTTGGGCTGGACCCCTCTACAGCTAGGAGCCAATGG
 CAGAAGACAAAACCAAACCGAGTGAGTTGGACCAAGGGAAGTATGATGCTGATGACAACG
 TGAAGATCATCTGCCTGGGAGACAGCGCAGTGGGCAAATCCAAACTCATGGAGAGATTC
 TCATGGATGGCTTTCAGCCACAGCAGCTGTCCAGTACGCCCTGACCCTGTACAAGCACA
 CAGCCACGGTAGATGGAAGGACCATCCTTGTGGACTTTTGGGACACGGCAGGCCGGAAGC
 GGTTCAGAGCATGCATGCCTCCTACTACCACAAGGCCACGCCTGCTCATGGGTGTTTT
 GATGTACAGAAGGAAAGTCACCTATAGGAACCTGAGCACCTGGTATACAAGCTNTNNGG
 AGGGTTCAGGCCAGAGATCCATGACTNCGNGGGGGGGGCAATAAAAAATTGGATGCAG
 ACATTAACAAACGTACCCAAAAAGCTTCATTTGCCCANAAAAAGTTCTCCTGGCCCTGTA
 TTTTCGCTTCGCTGCCTGATGAACCAATGGTGTGGAGAAGCTTTCATGATGCATTCCG
 ATAAAAGTGGGTCTTACAACAGACTCCAGACTTTTGGGTGGGAAAAATTTTTCAGAGCT
 CGAACTTCACTGGAANGAAAAAGNAGAGAAAACGTGCAACAGGAACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013412 unedited
 CCGCGGCCGAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGGAAATTCAGCCTTTACTG
 TAAAAAGGAAACAACAAAAACAAACCCTATTAATAACACAATGCAACAATGCCCGA
 GATTATCATAAAAAATACTAGCAAGCCACAAGTACCAGAGAGGGGTGAACAGGCATATC
 TGCTAGCTCTCCTTGCAGTCTCAGCCTCCACAGGAGGCACAAGTCCAAACTATTC
 CTCAAAAAAAGGACAGCCTCTTTATGCTGAAATAGGAACTTTAAAGGAAGCTCTTCTTGT
 AGTCCAAATGGAGTACCTTGTGGTATGGCTGTAAGACTCGATTTTACGGCTTGTGTAT
 TCCTAACTATAGCTAGGCTGTACCTGTGTTTCTGTGATCTCAGCTTTACCTAGAAGA
 GCTCCTGAAACAGAATGGGTACACGAAAATCTGGAATGAATAGCTATCTGCTCAAAAACG
 ATTGTTTTAAAAACAGATGATTGGGGCCGGCGCGGAGGCTCATGCCTGCAATCCCAGCAC
 TTTGGGAGGCCGAGGCGGGCGGATCACGAGGTGAGGAGATCGAGACCATCCTGGGCAACA
 TGGTGAACCCCGTCTCTACTAAAAATACAAAAATCAGCTGGGCGTGGTATGCCAGCCA
 CTCGGGAGGCTGAGGCAGGAGAAATCGTTTGACCAGGGAGTCANAGGTTGCAACGAGCCG
 AGACTGCGCCACTGCACTCCACCCTGGCGACAGAGCGAGACTCCGTCTTAGAAACGACAA
 AGAACCAACAAACAGATGACTGGGAGACTGAAAAAGAAAAAGATGGGAGAAACGTAGG
 GAAATGATGGGGCCACAGACTTAGCTGTGGGTGTGGGGTAAATCATCACCTCAAGGA
 GAACCAAGGAATTGCCCGCGGTGAAGCTTGGAAAGAAACAAACA

Restriction Sites:

NotI-NotI

ACCN:

NM_013412

Insert Size:

2210 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:

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_013412.1](#), [NP_038198.1](#)

RefSeq Size: 2107 bp

RefSeq ORF: 687 bp

Locus ID: 11159

UniProt ID: [Q9UBK7](#)

Cytogenetics: 2q14.1

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: This gene is a member of the RAB gene family which belongs to the RAS GTPase superfamily. The proteins in the family of RAS-related signaling molecules are small GTP-binding proteins that play important roles in the regulation of exocytotic and endocytotic pathways. This gene maps to the site of an ancestral telomere fusion event and may be a subtelomeric gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Transcript Variant: This variant (1) uses an alternate in-frame splice site in the central coding region, compared to variant 3. The encoded isoform (1) is one amino acid shorter than isoform 2. Variants 1, 2, and 16 all encode the same isoform (1).