

## Product datasheet for **SC103158**

### **RAB2B (NM\_032846) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB2B (NM_032846) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC103158 sequence for NM_032846 edited (data generated by NextGen Sequencing)

```
ATGACTTATGCTTATCTCTTCAAGTATATCATCATCGGAGACACAGGTGTGGGGAAGTCA
TGTCTCCTCCTGCAGTTTACAGATAAGCGGTTCCAGCCTGTCCACGACCTCACAATAGGT
GTGGAGTTTGGAGCTCGTATGGTCAACATTGATGGAAAACAAATCAAACCTGCAAATCTGG
GATACGGCTGGGCAAGAATCCTTCCGTTCTATCACCCTGTTCTACTACAGGGGAGCAGCT
GGAGCACTGCTGGTGTACGACATTACAAGGCGTAAAACCTTCAACCACCTGACCTCATGG
TTAGAGGATGCCCGGCAGCACTCTAGTTCCAACATGGTTATCATGCTCATTGGGAATAAG
AGTGACCTAGAGTCCCGCAGGGATGTGAAGAGAGAAGAAGGAGAGGCCTTTGCTAGGGAG
CATGGACTTATATTCATGGAACTTCAGCCAAAACAGCCTGCAATGTTGAAGAGGCCTTC
ATTAACACAGCCAAAGAAATATATAGGAAGATCCAGCAGGGTTTATTTGATGTCCACAAT
GAGGCAAATGGCATCAAGATTGGGCCCAACAGTCAATTTCAACATCAGTGGGACCCAGT
GCCTCCCAGCGGAACTCTCGTGACATAGGGTCCAACCTCTGGCTGCTGCTGA
```

Clone variation with respect to NM\_032846.3



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032846 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGCGCCTCGTGCCGAATTCGGCACGAGGGTCGGAGGT AAGTGGCTATAGAAGTCGGGGCGGACCCGGAACCCAGAGGACGCGACACCATGACTTATGC TTATCTCTTCAAGTATATCATCATCGGAGACACAGGTGTGGGGAAGTCATGTCTCCTCCT GCAGTTTACAGATAAGCGGTTCCAGCCTGTCCACGACCTACAATAGGTGTGGAGTTTGG AGCTCGTATGGTCAACATTGATGAAAAACAAATCAAATGCAAATCTGGGATACGGCTGG GCAAGAATCCTTCCGTTCTATCACCCGTTCTACTACAGGGGAGCAGCTGGAGCACTGCT GGTGACGACATTACAAGGCGTGAAACCTTCAACCACCTGACCTCATGGTTAGAGGATGC CCGGCAGCACTCTAGTTCCAACATGTTTATCATGCTCATTGGAATAAGAGTGACCTAGA GTCCCGCAGGGATGTGAAGAGAGAAGAAGGAGAGGCTTTGCTAGGGAGCATGGACTTAT ATTCATGGAACTTCAGCCAAAACAGCCCTGCATGTTGAAGAGGCCTTCAATACACAGC CAAAGAAATATATAGGAAGATCCAGCAGGGTTTATNTGATGTCCACAATGAGGCANATGG CATCAAGATTGGGCCNCACAGTCNATTTCAACATCAGTGGGACCCAGTGCCTCCACGG GAACTCTCGTGACATANGGTCCACTCTGGCTGCTGCTGAACATCTGGCTTNGACTTTTT TTGTNCCTTCTGGAATAGCTNCAGATCATAGGCTTATGNAAGAGGTCTTTCTTGCTTTGG CTGAGAGCAGCCCTCTTTAAGGGGGATGTTTGGCCTTTCACCTAAGACANGAGAGAA TTNGNCCCTTACTGACTGTCTNCTTCAGGACATGACATCTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032846 unedited</p> <pre>GGTACCTGGCATATATTTAATAATGGAACATTCATCAACCAGCAAAAGNAAAGTAGNA AAAATTCGTAAGACCTAGGGCTGTGGAAGAGAATGGGACATCAAGGGAAAAAAGATATAT ATAGCAACCAACCCAGAAGGCTGCATGATGAGTGAAGCAAAGGCAAGTTTGGCTAAGATA GTATTATATGCTCTGAAAAGAGAATGGCTGGATAGGTACCCACTTATGTACTGCTTACT AGCAGGCAGCCTTACTGTATGCCTCATGGAATGGAGGCAAAAAGCCAGGGAAAGGTGGGA GGGGAGAAGGAAGAGAAGTGTATAAAACCCAGGGTAAACAAATGAGTGGGGCAGAATTAC AGAGAGAGGACTCTAAAGTCTTTTGTTCCTTGAAGTCTAAAATAAACCTTAAGTTTTT AACTATGTCAGTCAAATCAATGAACACATAATGAGTAGCACTAGGCACTGTAAAGGAAT GATAGGGGAATAATTTATAAAAATAAAGGAATGACATGGATCCTGCTCTCAAGGAGCTT ACAACCTATACGGAAAGACAAGATTCCACACAAAAACAACCTGCAAACCATATTTACATAG TAACATACATAAAAAATAATATACATATAAATAGACATATGAATAACCAACATATGAAAA CTAAGGAATATTGTGTTAATAACTGCTTAGCAGTACCTAAGTCTGTTACTAAAGANAAA TTNTTGGACTTTTAAGTATAATTAGTGGAGAGTAGGGCATGTGCAAAGGTATGGAACAN NGATAAATATGTCACATTCAGTAAGTAGATTAGCCTGATTGGAGTAGAAAAGTCTAGGTCT AGTTAAGAAAGGGAGTTGATGAACCAAGTAGAAGTCTATCTGGTGAACCACTACATTGNT AGATCTGGCCCTCAAATAAATGACAGGGAACAATGNTTNTTTTAGTATAATAGATGGC AACTGTCCCTGACCACCTTCTGCTCTTAAAAGTTTGAAGTACCTAGAAAAG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032846
<b>Insert Size:</b>	2930 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032846.2</a> , <a href="#">NP_116235.2</a>
<b>RefSeq Size:</b>	2335 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	84932
<b>UniProt ID:</b>	<a href="#">Q8WUD1</a>
<b>Cytogenetics:</b>	14q11.2
<b>Domains:</b>	ras, RAN, RAS, RHO, RAB
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>Members of the Rab protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. Rab proteins are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking; see MIM 179508.[supplied by OMIM, Apr 2006]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>