

## Product datasheet for **SC118354**

### **RAB5B (NM\_002868) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB5B (NM_002868) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB5B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_002868 edited

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ATGACTAGCAGAAGCACAGCTAGGCCCAATGGGCAACCCAGGCCAGCAAAATTTGCCAG
TTCAAATTGGTCCTGCTGGGAGAATCTGCAGTGGGAAAGTCAAGCCTGGTATTACGTTTT
GTCAAAGGGCAGTTCCATGAGTACCAGGAGAGCACCATTGGAGCGCCTTCCTCACCCAG
TCCGTTTTGTCTAGATGACACAACAGTGAAGTTTGAGATCTGGGACACAGCTGGGCAGGAG
CGATATCACAGCTTAGCCCCATGTACTACAGGGGTGCCAAGCTGCAATCGTGGTTTAC
GACATTAATAATCAGGAAACCTTTGCCCGAGCAAAGACATGGGTGAAGGAACTACAGCGA
CAGGCCAGTCCTAGCATCGTTATTGCCCTGGCAGGGAACAAGCTGACCTGGCCAACAAA
CGTATGGTGGAGTATGAAGAGGCCCAGGCATATGCAGATGACAACAGCTTATTGTTTCATG
GAGACTTCAGCCAAGACAGCTATGAACGTGAATGATCTCTTCTTGCAATAGCTAAGAAG
TTGCCAAAGAGTGAACCCAGAATCTGGGAGGTGCAGCAGGCCGAAGCCGGGGTGTGGAT
CTCCATGAACAGTCCCAGCAGAACAAGAGCCAGTGTGTAGCAACTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002868 unedited</p> <p>TAAAGGTCATTATTTGTAACGACTTCACTAATAGGGCGGCCGGAATCGGCACGAGGCC  TCGTGCCGAATTCGGCAGCAGGGCCCTTTCCATTCTGATAATCTGGCCATGACTAGCAGA  AGCACAGCTAGGCCCAATGGGCAACCCAGGCCAGCAAATTTGCCAGTTCAAATTTGGTC  CTGCTGGGAGAATCTGCAGTGGGAAAGTCAAGCCTGGTATTACGTTTTGTCAAAGGGCAG  TTCCATGAGTACCAGGAGAGCACCATTGGAGCGGCCTTCTCACCCAGTCCGTTTTGTCTA  GATGACACAACAGTGAAGTTTGAGATCTGGGACACAGCTGGGCAGGAGCGATATCACAGC  TTAGCCCCATGTACTACAGGGGTGCCAAGCTGCAATCGTGGTTTACGACATTACTAAT  CAGGAAACCTTTGCCCGAGCAAAGACATGGGTGAAGGAACACAGCGACAGGCCAGTCTCT  AGCATCGTTATTGCCCTGGCAGGGAACAAAGCTGACCTGGCCAACAAACGTATGGTGGAG  TATGAAGAGGCCAGGCATATGCAGATGACAACAGCTTATTGTTTCATGGAGACTTCAGCC  AAGACAGCTATGAACGTGAATGATCTCTTCTGGCAATAGCTAAGAAGTTGCCAAAGAGT  GAACCCCAAGATCTGGGAGGTGCAGCAGGCCGAAGCCGGGGTGTGGATCTCCATGAACAG  TCCAGCAGAACAAGAGCCAGTGTGTAGCAACTGAGGGGGTGGCTAGCAGCAAACAAG  TATGGAGCTAGCACAAGAGCTAAGAAATAACCTNCATCCCTACCCCTCAGCACACAACCC  CTACGGTAACAGCACACTGAGCCCTGGCTCCCAAGGGCTGCCTNCTGACAGCTCCGTCAT  GGCACTTTTTAACGCTTCAGCAACT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002868 unedited</p> <p>CCGCGGCCGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGGCTTACATTAATACATC  GGTAAATCAGCAGTCGCATTCTGTTACCACGATTGTTATGTTGGGAGAGGAAGAAAGGCA  AATGCTTTCTCAGAAGCAAAAACAAAAACAAAAACCACAACACCCCCCTTAAAAAACT  GACCAGAAGAAAAAATGAGCTGGGAAATAAACAAAAGAAAATAAGATCCCAAGCCCA  ACAGAGCTCAAAGGAAGGCAGAAGAGGTGGTAGGAAGTAGAGGGAAGGCAGCCGATAGGC  CCAGAAGCTAAGGCCAAATCCTGTTCTATGGGGTGGGGGAGGGAAGCCTGGGAA  GTGGTTTTCCAGGCCAAGATAATGAAACATCTTCACTCCTGCTCCAAGGGGAAAGCTG  CACAGAGAAAGAACTTCAATTTCTAGAAGACTTTGGAAAGCCATCCTAGTTCTTCCACTTG  TAAAAAGGATGCACTGGGTGCTATGGGGGCCAGTGGCTTCTGGGAAAGGAAGGGGAA  TGTGTGTGTTTCAGGGCCATGGGAACTAAGGCTGCCCTGGAAAAGGAAGGAATTGAGG  CCTAAGTGAAGAACCTAAGCTGGTCTTTCAGAACTCAGCTTCATAGATTTCTCAGCT  GTTCTGGGATAGAAGGCAGTCTGCAAGCCAAAAGGCAGGAAGGTTCCAATCCTANGTCA  CTGTGACCTTTNCTTTCTTTCTTTCCAAACTCCGGGCTGGAACAAGAAAATAAGTTCT  CTTTTGCCTTGATGGGCTCTCAAAGACATCCTANAACACCTGATGAAGGATATGAAGAGA  GACTANAGATTTAAAAGGACAAGGTNCTCTGATATATGAGCCAGTTGTAAGGTACCTTC  AGTGCCGGTCATTCCCTCTCACAGAACAGGGGTATGAACCAGGGCACACAGGGCTCTGG  GTCTAGCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002868
<b>Insert Size:</b>	3340 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_002868.2</a> , <a href="#">NP_002859.1</a>
<b>RefSeq Size:</b>	3336 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	5869
<b>UniProt ID:</b>	<a href="#">P61020</a>
<b>Cytogenetics:</b>	12q13.2
<b>Domains:</b>	ras, RAN, RAS, RHO, RAB
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	<p>Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same 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>