

## Product datasheet for **SC117558**

### **RAB27B (NM\_004163) Human Untagged Clone**

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | RAB27B (NM_004163) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | RAB27B  |
| Synonyms:                 | C25KG   |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL4</a></u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC117558 sequence for NM_004163 edited (data generated by NextGen Sequencing) |

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ATGACCGATGGAGACTATGATTATCTGATCAAACCTCTGGCCCTCGGGGATTGAGGGGTG
GGGAAGACAACATTTCTTTATAGATACACAGATAATAAATTCAATCCCAAATTCATCACT
ACAGTAGGAATAGACTTTTCGGGAAAAACGTGTGGTTTATAATGCACAAGGACCGAATGGA
TCTTCAGGGAAAGCATTTAAAGTGCATCTTCAGCTTTGGGACACTGCGGGACAAGAGCGG
TTCCGGAGTCTCACCAGTGCATTTTTCAGAGACGCCATGGGCTTCTTATTAATGTTTGAC
CTCACCAGTCAACAGAGCTTCTTAAATGTCAGAACTGGATGAGCCAAGTCAAGCAAAT
GCTTATTGTGAAAATCCAGATATAGTATTAATTGGCAACAAGGCAGACCTACCAGATCAG
AGGGAAGTCAATGAACGGCAAGCTCGGGAAGTGGCTGACAAATATGGCATAACCATTTTT
GAAACAAGTGCAGCAACTGGACAGAATGTGGAGAAAGCTGTAGAAACCCTTTTGGACTTA
ATCATGAAGCGAATGGAACAGTGTGTGGAGAAGACACAAATCCCTGATACTGTCAATGGT
GGAAATCTGGAAACTTGGATGGGAAAAGCCACCAGAGAAGAAATGTATCTGCTAG
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Clone variation with respect to NM\_004163.4



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|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_004163 unedited<br>NNNNTGGTCGAATTTGTATACGACTCATATAGGGCGGCCGGAATCGGCACCAGGGGAAA<br>CTTGCGCAGGCTGACCGACCAAGACCATCACTATGACCGATGGAGACTATGATTATCTGAT<br>CAAACTCTGGCCCTCGGGGATTCAGGGGTGGGGAAGACAACATTTCTTTATAGATACAC<br>AGATAATAAATTCATCCCAAATTCATCACTACAGTAGGAATAGACTTTCGGGAAAAACG<br>TGTGGTTTATAATGCACAAGGACCGAATGGATCTTCAGGGAAAGCATTAAAGTGCATCT<br>TCAGCTTTGGGACACTGCGGGACAAGAGCGGTTCCGGAGTCTCACCCTGCATTTTTTCAG<br>AGACGCCATGGGCTTCTTATTAATGTTTGACCTCACCAGTCAACAGAGCTTCTTAAATGT<br>CAGAAACTGGATGAGCCAACTGCAAGCAAATGCTTATTGTGAAAAATCCAGATATAGTATT<br>AATTGGGCACAAGGCAGACCTACCAGATCAGAGGGAAGTCAATGAACGGGGCAGCTCGGA<br>ACTGGCTGACAAATATGGCATACCATATTTTGAACAAGTGCAGNCACTGGACAGAATGT<br>GGAGAAAGCTGTAGAAACCTTTTGGNACTTATCATGAAGCGAATGGNACAGTGTGTGGAG<br>AAGACACAATCCCTGATACTGTCAATGGTGGNNAATCTGGNACTGGNATGGGGGAAAG<br>CCACCAGAGAAGAAATGTATCTGCTAGACTCTACATAGAAACTGGGACATCAGAACCCCN<br>NACANNATATACTTTTANANAANCATGACAACCACACANTNGGTGNTGAGTAAACACGCA<br>CATGGCATGTCTTTCTTTCTGCCAGANATCTATTTAAGAAACAGATAGTCAACAGTGGT<br>CAAAGAAATGAC |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | NM_004163   |
| <b>Insert Size:</b>                 | 6450 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_004163.3</a> , <a href="#">NP_004154.2</a>   |
| <b>RefSeq Size:</b>                 | 1365 bp   |
| <b>RefSeq ORF:</b>                  | 657 bp  |
| <b>Locus ID:</b>                    | 5874  |
| <b>UniProt ID:</b>                  | <a href="#">O00194</a>  |
| <b>Cytogenetics:</b>                | 18q21.2   |
| <b>Domains:</b>                     | ras, RAN, RAS, RHO, RAB   |
| <b>Protein Families:</b>            | Druggable Genome  |

**Gene Summary:**

Members of the Rab protein family, including RAB27B, are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking (Chen et al., 1997 [PubMed 9066979]). [supplied by OMIM, Nov 2010]