

## Product datasheet for **SC111571**

### **RABL3 (NM\_173825) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RABL3 (NM_173825) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABL3
Synonyms:	PNCA5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111571 sequence for NM_173825 edited (data generated by NextGen Sequencing) ATGGCGTCCCTGGATCGGGTGAAGGTACTGGTGTGGGAGACTCAGGTGTTGGGAAATCT TCGTTAGTCCATCTCCTATGCCAAAATCAAGTGCCTGGGAAATCCATCATGGACTGTGGGC TGCTCAGTGGATGTCAGAGTTCATGATTACAAAGAAGGAACCCAGAAAGAGAAGACCTAC TACATAGAATTATGGGATGTTGGAGGCTCTGTGGCAGTGCCAGCAGCGTGAAAAGCACA AGAGCAGTATTCTACAACCTCCGTAATGGTATTATTTTCGTACACGACTTAACAAATAAG AAGTCCTCCAAAACCTTGCCTCGTTGGTCATTGGAAGCTCTCAACAGGGATTTGGTGCCA ACTGGAGTCTTGGTGACAAATGGGGATTATGATCAAGAACAGTTTGCTGATAACCAAATA CCACTGTTGGTAATAGGGACTAACTGGACCAGATTCATGAAACAAAGCGCCATGAAGTT TTAACTAGGACTGCTTCTGGCTGAGGATTTCAATCCAGAAGAAATTAATTTGGACTGC ACAAATCCACGGTACTTAGCTGCAGGTTCTTCCAATGCTGTCAAGCTCAGTAGGTTTTTT GATAAGGTCATAGAGAAGAGATACTTTTTAAGAGAAGGTAATCAGATTCAGGCTTTCCT GATCGGAAAAGATTTGGGGCAGGAACATTAAGAGCCTTCATTATGACTGA

Clone variation with respect to NM\_173825.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_173825 unedited TGTAATACGCACTCACTATAGNGCGCGGCCGCAATTCGGCACGAGGGGAAGGCAGTGG CAAGATGGCGTCCCTGGATCGGGTGAAGGTTACTGGCGTTGGGAGACTCAGGTGTTGGGAA ATCTTCGTTAGTCCATCTCTATGCCAAAATCAAGTGTGGGAAATCCATCATGGACTGT GGGCTGCTCAGTGGATGTCAGAGTTCATGATTACAAAGAAGGAACCCAGAGAGAAGAC CTACTACATAGAATTATGGGATGTTGGAGGCTCTGTGGCAGTGCCAGCAGCGTAAAAAG CACAAAGCAGTATTCTACAACCTCGTAAATGGTATTATTTTCGTACACGACTTAACAAA TAAGAAGTCTCCAAAACCTTGCCTCGTTGGTCAATTGGAAGCTCTCAACAGGGATTTGGT GCCAACTGGAGTCTTGGTGACAAATGGGGATTATGATCAAGAACAGTTTCTGATAACCA AATACCACTGTTGGTAATAGGGACTAACTGGACCAGATTCATGAAACAAAGCGCCATGA AGCTCTAACTAAGACTGCTTTCCTGGCTGAGGATTTCAATCCAGAAGAAATAAATTTGGA CTGCACAAATCCACGGTACTAAGCTGCAAGTCTTCCAATGCTGACAAGCTCAGTAAGTT TTTGAATACGTCATAAAAAAAAAAATACTTTTAAAGAAGAGGTAATCAGATTCAAGCTTTCC TGATCGGAAAGATTTGGGCAGGACCTTACAAAGCCTTATTATGACGAATACCCTCTTCTT TGGAAATGACCACCCAGGCGTTTTCCCACTCAATTGCTGGTTCAATATTACCATCCCGC CTTTACAAATCTTTAAAAGCTCCCTTACCCCTCCCTTAATGGAAAACAAGGAAGGCATC CGGAGGCCACCTTTCCCTGTCCTGGGTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_173825
<b>Insert Size:</b>	2500 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_173825.2</a> , <a href="#">NP_776186.2</a>
<b>RefSeq Size:</b>	3449 bp
<b>RefSeq ORF:</b>	711 bp
<b>Locus ID:</b>	285282
<b>UniProt ID:</b>	<a href="#">Q5HYI8</a>
<b>Cytogenetics:</b>	3q13.33
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Gene Summary:**

Required for KRAS signaling regulation and modulation of cell proliferation (PubMed:31406347). Regulator of KRAS prenylation, and probably prenylation of other small GTPases (PubMed:31406347). Required for lymphocyte development and function (By similarity). Not required for myeloid cell development (By similarity).[UniProtKB/Swiss-Prot Function]