

Product datasheet for **SC321107**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_173825.3
 AGTGGCAAGATGGCGTCCCTGGATCGGGTGAAGGTAAGGTAAGGTTGGGAGACTCAGGTGTT
 GGGAAATCTTCGTTAGTCCATCTCCTATGCCAAAATCAAGTGCTGGGAAATCCATCATGG
 ACTGTGGGCTGCTCAGTGGATGTCAGAGTTCATGATTACAAGAAGGAACCCAGAAAGAG
 AAGACCTGCTACATAGAATTATGGGATGTTGGAGGCTCTGTGGCAGTGCCAGCAGCGTG
 AAAAGCACAAAGAGCAGTATTCTACAACCTCCGTAATGGTATTATTTTCGTACACGACTTA
 ACAATAAAGAAGTCTCCAAAACCTTGGCTCGTTGGTCATTGGAAGCTCTCAACAGGGAT
 TTGGTGCCAACTGGAGTCTTGGTGACAAATGGGATTATGATCAAGAACAGTTTGCTGAT
 AACCAAATACCACTGTTGGTAATAGGGACTAAACTGGACCAGATTGATGAAACAAAGCGC
 CATGAAGTTTTAACTACGACTGCTTTCCTGGCTGAGGATTTCAATCCAGAAGAAATTAAT
 TTGGACTGCACAAATCCACGGTACTTAGCTGCAGGTTCTTCCAATGCTGTCAAGCTCAGT
 AGGTTTTTTGATAAGGTCATAGAGAAGAGATACTTTTTAAGAGAAGGTAATCAGATTCCA
 GGCTTTCCTGATCGGAAAAGATTTGGGGCAGGAACATTAAGAGCCTTCATTATGACTGA
 ATTACACTCATCCTTTGGAAGAGTGAGCAAGCAGTGGCAGTTTTTACAGCTCATCTTGC
 TGTGTTCAATTATTACCATCACAGCCTTTTAACAAAATCATCTTAAAATGCTACCCTTCA
 GCCTTACCCTTTAATGGAAAAATGAAAGGAAGTACAATACGGGAGGTCCAAACTTTGTC
 CCTGTTCTCTGTGTTCTTACCTTTCTGTCCTGTGTATAGATTATGTAAGGCCTTGTG
 TAAATATGAGATGTTGTCAAAATGATGCAGTAAATGAGCAATGACAGTGTACTGCAGAGA
 AAATTTACTCTTGCTAGAACTGGAGGGTTTTTATGGGCTGTAAATTTCCACACTCAT
 TGCTGAAAGCTTAATTAAGTACTTCAAAAACGTATCTCCATTGTTTTACCTTCTTGAGGG
 GAACGGTCTTGTTAACAGCACTGAGTTGTCTACCCAAACAATCTCTGTCAATTTCAA
 GATGCAAAATGGTGTATTTAATTGTCTCCACCATTGTACACACAGGAATGCCTAATAA
 TAGCAACCCTTGCTCCCTCTTCTCCTTTGCAAATGGGTCAGTGACTGGAAGAGGCGG
 ACTAATAGCCAGAGTTAAATATAAATACAAATTAATAATACATAGAGAACAGCAATACCA
 GAAAAAAGAATTCTGGTAAAATGATGTGAAAAATTGACAGCTCCCTCACTTTAAGTT
 GCTGCTATATACAGTCTAGGTTTTCTGTTTGGAAATAGGTAGGGTAAAATCTAAGACCTG
 CACAAGGGCAGTGAGAGACATTTACAGCCTCCTCTCTATTTGTTTTTTAAGGAAAAGTC
 AACTCCTGAAATGTCCCTTAGCTATAATCAGAAAATAAGAATATTATTCTGTGTCAACA
 ATGATTTTATGGAGAGAAGTAAAAATAAGTTCCACAGCAACACATTTACATGAATTATGA
 ACTAGGATTTCTGGATTTTATAATCACTCAAAGCTTTTTGGGGATGGTGTGTGTGTG
 TGTGTGTCGTAATTGTTTCATCATTACTTTTTTAACTATCTTTTTGCTTGCTTAATCT
 TCTCTGCCCAGTTCTTCTGAGTATATGAATTTGATTTCTAAAAACAATTTATTTCAACA
 CTCTATACCCGATTCTCTCTGCTGCTGTCAGGCTCTGCACTCCTGATTTTGTCT
 CCATACTTTTAAATAACAATAATAAATATACAGTTTTCTATTTCTATCTAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_173825

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_173825.3 , NP_776186.2
RefSeq Size:	3883 bp
RefSeq ORF:	711 bp
Locus ID:	285282
UniProt ID:	Q5HYI8
Cytogenetics:	3q13.33
Protein Families:	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]