

Product datasheet for **SC127139**

RABL2B (NM_007081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABL2B (NM_007081) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABL2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127139 sequence for NM_007081 edited (data generated by NextGen Sequencing)

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ATGGCAGAAGACAAAACCAACCGAGTGAGTTGGACCAAGGGAAGTATGATGCTGATGAC
AACGTGAAGATCATCTGCCTGGGAGACAGCGCAGTGGGCAAATCCAAACTCATGGAGAGA
TTTCTCATGGATGGCTTTTCAGCCACAGCAGCTGTCCACGTACGCCCTGACCCTGTACAAG
CACACAGCCACGGTAGATGGAAGGACCATCCTTGTGGACTTTTGGGACACGGCAGGCCAG
GAGCGGTTCCAGAGCATGCATGCCTCCTACTACCACAAGGCCACGCCTGCATCATGGTG
TTTGATGTACAGAGGAAAGTCACCTATAGGAACCTGAGCACCTGGTATACAGAGCTTCGG
GAGTTCAGGCCAGAGATCCCATGCATCGTGGTGGCCAATAAAATTGATGACATAAACGTG
ACCCAAAAAAGCTTCAATTTTGC AAGAAGTTCTCCCTGCCCTGTATTTTCGTCTCGCT
GCTGATGGTACCAATGTTGTGAAGCTCTTCAATGATGCAATTCGATTAGCTGTGCTTAC
AAACAGAACTCCCAGGACTTCATGGATGAGATTTTTCAGGAGCTCGAGA ACTTCAGCTTG
GAGCAGGAAGAGGAGGACGTGCCAGACCAGGAACAGAGCAGCAGCATCGAGACCCCATCA
GAGGAGGCGGCCTCTCCCCACAGCTGA
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Clone variation with respect to NM_007081.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_007081 unedited</p> <pre> TTTGTAAACGACTCACTATAGGGCGGCCGCAATTCGGCACGGAGGCTGGGCCGGCGGG GTGGTTCGAGAGCGCGCAGAGTCCAGACTGGCGGCAGGGCCCGAGGGGCCGACCCGCAGC GTCCCTGGTCTCTCCAGCCCTCACTCGGAACCGCACACAGTGACAATACCCTCCCCTCCC TTGGGCTGGACCCCTCTCTACAGCTAGGAGCCAATGGCAGAAGACAAAACCAAACCGAGT GAGTTGGACCAAGGGAAGTATGATGCTGATGACAACGTGAAGATCATCTGCCTGGGAGAC AGCGCAGTGGGCAAATCCAAACTCATGGAGAGATTTCTCATGGATGGCTTTCAGCCACAG CAGCTGTCCACGTACGCCCTGACCCTGTACAAGCACACAGCCACGGTAGATGGCAAAGACC ATCCTTGTGGACTTTTGGGACACGGCAGGCCAGGAGCGGTTCCAGAGCATGCATGCCTCC TACTACCACAAGGCCATGCCTGCATCATGGTGTGGTATACAGAGGAAAGTCACCTAT AGGAACCTGAGCACCTGGTATACAGAGCTTCGGGAGTTCAGGCCAGAGATCCCATGCATC GTGGTGGCCAATAAAATTGATGCAGACATAAACGTGACCCANAAAAGCTTCAATTTTGCC AAGAAGTCTCCCTGCCCTGTATTCTGCTCGGCTGCTGATGGTACCAATGTTGTGAAG CTCTTCAATGATGCAATTCGATTAGCTGTGTCTTACAAACAGAAGTCCCAGGACTTCATG GATGAGATTTTTAGGAGCTCGAGAAGTTCANCTGGGAGCAGGAAGAGGAGGACGTGCCA NACCAGGAACAGAGCAGCAGCATTGGAGACCCATCAGAGGAAGGGGGCCCTCCCACA CTGAG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_007081 unedited</p> <pre> CTTCCAGCCTTTNACTGTAAAAAAGGAAACATAAAAAACAAAACCCCTATTAATAAACACAA TGCAAACAATGCCGAGATTATCATAAAAAACATACTAGCAAGCCACAAGTACCAGAGAGG GGTGAACAGGCATATCTGCTAGCTCTCCTTGCAGTCCCTCAGCCTCCCACAGGAGGCAC AAGGTCCAAACTATTCTAAAAAAAAGGACAGCCTCTTTATGCTGAAATAGGAAGTTTA AAGGAAGCTCTTCTTGTAGTCCAATGGACGTACCTTGTGGTATGGCTGTAAAGACTCGA TTTTACCCTTGTGATTCCCTAACTATAGCTAGGCCTGTACCTGCTGTTCTGTGATCT CAGCTTTACCTAGAAGAGCTCCTGAAACAGAGTGGGTACACGAAATCTGGAATGAATAG CTATCTGCTCAAAAACGATTGTTTAAAAACAGATGATTGGGGCCGGGCGCGGTGGCTCAT GCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGTGAGGAGATCGA GACCATCTGNGCAACATGGTGAACCCCGTCTCTACTAAAAATACAAAAATTAGCTGGG CGTGGTGTGCCAGCCACTCGGGAGGCTGAGGCAGGAGAATCGTTTGAACCAGGGAGTCA GAGGTTGCAGCGAGCCGAGACTGCGCCACTGCACTCCAGCCTGGCGACAGAGCGAGACTC CGTCTCAGGACGAACAAAGAAACANACANACCAGATGACTGGGAGATTGAAGAGGAAAAA GATGGGAGAAAACGTAGGNAAGGATGGGGCCTCACAGACTCAGCTGTGGGTGGGGGGT AATCATTACCTCNAGAGNAAGCCAGGNAATNGTCCCCCGAGTGAGCTTTGNAANGAAAC ANNACCAACCNCCAAANACACCTAATTCCTGTATAAAGGACCATATCATGTTTCTGATCT CTTACTGNCTGCCTGGGGAAGGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_007081
Insert Size:	2380 bp
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).
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:

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_007081.2](#), [NP_009012.1](#)

RefSeq Size: 2183 bp

RefSeq ORF: 687 bp

Locus ID: 11158

UniProt ID: [Q9UNT1](#)

Cytogenetics: 22q13.33

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: The RABL2B protein is a member of the RAB gene family which belongs to the RAS GTPase superfamily. RABL2B is located within a subtelomeric region of 22q13.3. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Transcript Variant: This variant (2) has multiple differences in the 5' UTR and coding sequence compared to variant 7. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 3. Variants 2, 6, 10, 11 and 12 all encode the same isoform (2).