

Product datasheet for **SC326742**

RAB2B (NM_001163380) Human Untagged Clone

Product data:

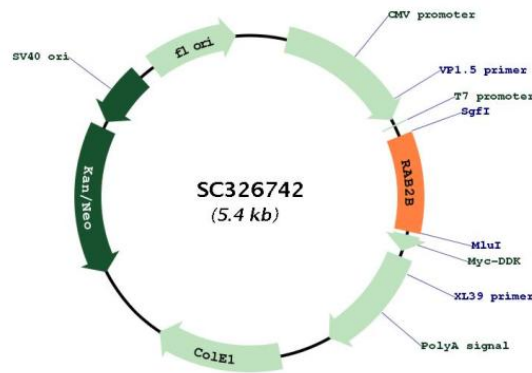
Product Type: Expression Plasmids
 Product Name: RAB2B (NM_001163380) Human Untagged Clone
 Tag: Tag Free
 Symbol: RAB2B
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >SC326742 representing NM_001163380.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCAACATTGATGGAAAACAACTCAAATCTGGGATACGGCTGGGCAAGAATCCTCCGT
TCTATCACCCGTTCTACTACAGGGGAGCAGCTGGAGCACTGCTGGTGTACGACATTACAAGGCGTGAA
ACCTTCAACCACCTGACCTCATGGTTAGAGGATGCCCGGCAGCACTCTAGTTCCAACATGGTTATCATG
CTCATTGGGAATAAGAGTGACCTAGAGTCCCGCAGGGATGTGAAGAGAGAAGAAGGAGAGGCCTTTGCT
AGGGAGCATGGACTTATATTCATGGAACTTCAGCCAAAACAGCCTGCAATGTTGAAGAGGCCTTCATT
AACACAGCCAAAGAAATATATAGGAAGATCCAGCAGGTTTATTTGATGTCCACAATGAGGCAAATGGC
ATCAAGATTGGGCCCAACAGTCAATTTCAACATCAGTGGGACCCAGTGCCTCCCAGCGGAATCTCGT
GACATAGGGTCCAACCTCTGGCTGCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001163380

Insert Size: 513 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).

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_001163380.1
RefSeq Size:	2883 bp
RefSeq ORF:	513 bp
Locus ID:	84932
UniProt ID:	Q8WUD1
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
MW:	19 kDa
Gene Summary:	<p>Members of the Rab protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. Rab proteins are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking; see MIM 179508.[supplied by OMIM, Apr 2006]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to 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>