

## Product datasheet for **SC310642**

### **RAP2C (NM\_021183) Human Untagged Clone**

#### Product data:

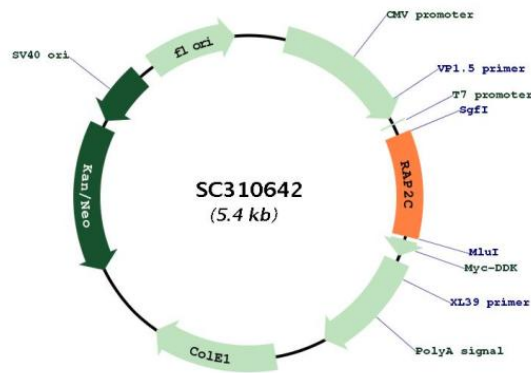
**Product Type:** Expression Plasmids  
**Product Name:** RAP2C (NM\_021183) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RAP2C  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC310642 representing NM\_021183.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGGGAATACAAGGTAGTGGTGTAGGGAGTGGAGGGTTGGCAAATCTGCCCTTACTGTGCAGTTT
GTCAGTGGGACTTTCATTGAGAAATATGACCCACCATTGAAGATTTCTACCGCAAAGAGATCGAAGTG
GACTCTTCCCCCTCCGTGCTGGAATTTCTGGACACCGCAGGAAGTGGCAGTTTGCCTCCATGAGAGAT
CTCTACATCAAAAACGGCCAAGGTTTCATCCTGGTTTATAGCCTGGTTAATCAACAGTCTTTTCAGGAT
ATCAAGCCAATGAGAGATCAAATTTGTCAGAGTGAAGAGATATGAAAAAGTCCCACTAATCCTAGTAGGA
AATAAAGTGGATCTGGAACAGAAAGAGAGGTTATGCTTTCAGAAGGCAGAGCTCTGGTCAAGAATGG
GGCTGTCCTTTTCATGGAGACATCGGCAAAAAGTAAATCAATGGTGGATGAACTTTTTGCTGAGATCGTC
AGGCAAATGAACTATTTCATCCCTGCCGGAGAAGCAAGATCAGTGTGTACAACCTGTGTCGTCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_021183

**Insert Size:** 552 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).

<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_021183.4</a>
<b>RefSeq Size:</b>	3934 bp
<b>RefSeq ORF:</b>	552 bp
<b>Locus ID:</b>	57826
<b>UniProt ID:</b>	<a href="#">Q9Y3L5</a>
<b>Cytogenetics:</b>	Xq26.2
<b>Domains:</b>	ras, RAS, RHO, RAB
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	20.7 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the Ras-related protein subfamily of the Ras GTPase superfamily. Members of this family are small GTPases that act as molecular switches to regulate cellular proliferation, differentiation, and apoptosis. This protein has been reported to activate in vitro transcriptional activity of the serum response element. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p>