

## Product datasheet for SC331606

### RFC1 (NM\_001204747) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RFC1 (NM\_001204747) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RFC1  
**Synonyms:** A1; CANVAS; MHCBBF; PO-GA; RECC1; RFC; RFC140  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331606 representing NM\_001204747.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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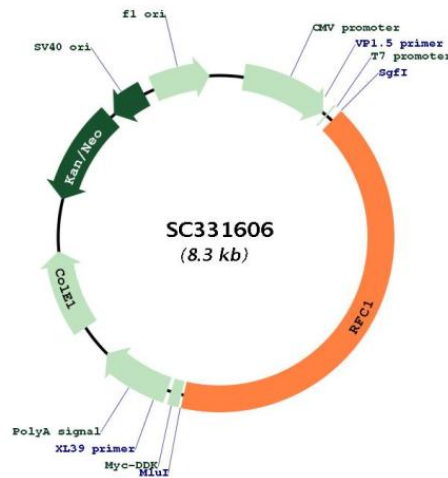
[View online >](#)

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**Restriction Sites:**

SgfI-MluI

**Plasmid Map:**



**ACCN:**

NM\_001204747

**Insert Size:**

3447 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).

<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_001204747.1</a>
<b>RefSeq Size:</b>	4899 bp
<b>RefSeq ORF:</b>	3447 bp
<b>Locus ID:</b>	5981
<b>UniProt ID:</b>	<a href="#">P35251</a>
<b>Cytogenetics:</b>	4p14
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	DNA replication, Mismatch repair, Nucleotide excision repair
<b>MW:</b>	128.3 kDa
<b>Gene Summary:</b>	<p>This gene encodes the large subunit of replication factor C, a five subunit DNA polymerase accessory protein, which is a DNA-dependent ATPase required for eukaryotic DNA replication and repair. The large subunit acts as an activator of DNA polymerases, binds to the 3' end of primers, and promotes coordinated synthesis of both strands. It may also have a role in telomere stability. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site at an internal coding exon compared to variant 1, resulting in an isoform (2) that is 1 aa longer than isoform 1.</p>