

## Product datasheet for **RC208240L4V**

### **RFC1 (NM\_002913) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RFC1 (NM_002913) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RFC1
Synonyms:	A1; CANVAS; MHCBBF; PO-GA; RECC1; RFC; RFC140
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002913
ORF Size:	3441 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208240).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002913.4</a>
RefSeq Size:	4896 bp
RefSeq ORF:	3444 bp
Locus ID:	5981
UniProt ID:	<a href="#">P35251</a>
Cytogenetics:	4p14
Domains:	BRCT, AAA, AAA
Protein Families:	Transcription Factors



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**Protein Pathways:** DNA replication, Mismatch repair, Nucleotide excision repair

**MW:** 128.2 kDa

**Gene Summary:** 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]