

Product datasheet for **SC320866**

RFC4 (NM_002916) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RFC4 (NM_002916) Human Untagged Clone
Tag: Tag Free
Symbol: RFC4
Synonyms: A1; RFC37
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002916.3
GGACATCAGTGATCGTAAGTCTCCTGGGCCGTTATTCTCAGATTAGGTGACGGAGCTAA
GACTTCGAGACCATCTCGTCCTTTTGTATCGCGAAACCTGAGGAACGAGCCGGCGGG
GTGACCTGCACGAGAAGCCAGGCTAACTGGGTGAAGTACCATGCAAGCATTCTTAAAGG
TACATCCATCAGTACTAAACCCCGCTGACCAAGGATCGAGGAGTAGCTGCCAGTGCGGG
AAGTAGCGGAGAGAACAAGAAAGCCAAACCCGTTCCCTGGGTGGAAAAATATCGCCAAA
ATGTGTGGATGAAGTTGCTTTCCAGGAAGAAGTGGTTGCAGTGCTGAAAAATCTTTAGA
AGGAGCAGATCTCCTAATCTCTGTTTTACGGACCACCTGGAACGGAAAAACATCCAC
TATTTTGGCAGCAGCTAGAGAACTCTTTGGCCTGAACTTTCCGATTAAGAGTTCTTGA
GTTAAATGCATCTGATGAACGTGGAATACAAGTAGTTCGAGAGAAAGTAAAAATTTTGC
TCAATTAAGTGTGTCAGGAAGTCGCTCAGATGGGAAGCCGTGTCGCCTTTTAAGATTGT
GATTCTGGATGAAGCAGATTCTATGACCTCAGCTGCTCAGGCAGCTTTAAGACGTACCAT
GGAGAAGGAGTCGAAAACCCCGATTCTGTCTTATCTGTAACATGTCAGTCGAATAAT
TGAACCCCTGACCTCTAGATGTTCAAAATCCGCTTCAAGCCTCTGTCAGATAAAATTC
ACAGCAGCGATTACTAGACATTGCCAAGAAGGAAAAATGTCAAAATTAGTGATGAGGGAAT
AGCTTATCTTGTTAAAGTGTGAGAAGGAGACTTAAGAAAAGCCATTACATTTCTTCAAAG
CGCTACTCGATTAACAGGTGGAAAGGAGATCACAGAGAAAGTATTACAGACATTGCTGG
GGTAATACCAGCTGAGAAAAATTGATGGAGTATTTGCTGCCTGTCAGAGTGGCTCTTTTGA
CAAATAGAAGCTGGTCAAGGATTTAATAGATGAGGGTCAATGCAGCAACTCAGCTCGT
CAATCAACTCCATGATGTGGTTGTAGAAAATAACTTATCTGATAAACAGAAAGTCTATTAT
CACAGAAAAAATTGCCGAAGTTGACAAATGCCTAGCAGATGGTGTGATGAACATTTGCA
ACTCATCAGCCTTTGTGCAACTGTGATGCAGCAGTTATCTCAGAATTGTTAACGTGAATA
TATCTGGATGGGGGTTTTGTAATAATGAAGTTGTAATAAAAAATAAAATGACCCAAACC
AA

Restriction Sites: Please inquire



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ACCN:	NM_002916
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:	<u>NM_002916.3</u> , <u>NP_002907.1</u>
RefSeq Size:	1427 bp
RefSeq ORF:	1092 bp
Locus ID:	5984
UniProt ID:	<u>P35249</u>
Cytogenetics:	3q27.3
Domains:	AAA, AAA
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	DNA replication, Mismatch repair, Nucleotide excision repair
Gene Summary:	<p>The elongation of primed DNA templates by DNA polymerase delta and DNA polymerase epsilon requires the accessory proteins proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also named activator 1, is a protein complex consisting of five distinct subunits of 140, 40, 38, 37, and 36 kD. This gene encodes the 37 kD subunit. This subunit forms a core complex with the 36 and 40 kDa subunits. The core complex possesses DNA-dependent ATPase activity, which was found to be stimulated by PCNA in an in vitro system. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Variants 1 and 2 encode the same isoform.</p>