

Product datasheet for **SC324250**

RFC3 (NM_002915) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFC3 (NM_002915) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFC3
Synonyms:	RFC38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002915.3
 GCGGGATTTTCAAGCGTAGGCCCCCGGAACTCGAGCTGCCATGAGCCTCTGGGTGGACA
 AGTATCGGCCCTGCTCCTTGGGACGGCTGGACTATCACAAGGAGCAGGCCGCCAGCTGC
 GGAACCTGGTGCAGTGTGGTGACTTTCCTCATCTGTTAGTGTACGGACCATCAGGTGCTG
 GAAAAAAGACAAGAATTATGTGTATTCTACGTAACTTTATGGTGTGGAGTGGAAAAAT
 TGAGAATTGAACATCAGACCATCACAACCTCCATCTAAAAAATTGAAATTAGCACCA
 TTGCAAGTAACCTACCACCTTGAAGTTAATCCTAGTGATGCTGGAATAGTGACCGAGTAG
 TCATTAGAGAGATGTTGAAAACAGTGGCACAATCACAACAACCTTGAACAACCTCTCAAA
 GGGATTTTAAAGTGGTATTATTGACAGAAGTTGACAAAACCTACCAAAGATGCTCAGCATG
 CCTTGCGAAGAACCATGGAAAAATATATGTCTACCTGCAGATTGATCTTGTGCTGCAATT
 CTACATCTAAAGTGATCCCACCTATTCGTAGTAGGTGCTTGGCGTTCTGTGCTGCTC
 CCAGCATTGAAGATATTTGCCACGTGTTATCTACTGTGTGAAGAAGGAAGGTCTGAATC
 TTCCTTCAAACTGGCTCATAGACTTGCAGAGAAGTCTGTAGAAATCTCAGAAAAGCCC
 TGCTTATGTGTGAAGCCTGCAGAGTGCAACAATATCCTTTACTGCAGATCAAGAAATCC
 CTGAGACAGATTGGGAGGTGATCTGAGGGAGACTGCAAATGCTATTGTCAGTCAGCAA
 CTCACAAAGGCTCCTTGAAGTTCGTGGAAGGCTGATGAGCTTCTAACTCATTGTATTC
 CTCTGAGATAAATGAAGGGCCTTCTCTCAGAACTGTTACATAATTGTGATGGACAAC
 TGAAAAGGGGAGGTGGCACAATGGCAGCTTACTATGAGCATCGTCTACAGCTGGGTAGCA
 AAGCCATTTATCACTTGGGAAGCGTTTGTGGCCAAATTCATGGCACTTTATAAGAAGTTCA
 TGGAGGATGGATTGGAAGGCATGATGTTCTGACTTCTGTCAGTTATTCTTGCAAAGATTT
 CTCAGTATCAGTATTTACATACAGCTTATATTAAGAGCTGTGGGTAATTAACCTGAAC
 TTAATCATGTCGATTTGCGTTTTTTGGTAATAACTTCTCTGTAAGTATTAATCATCC
 TCTGAGTTAAATAATTGCTCCTATACTATTGAAGTATGTAGTTTTGTACATAACTTAGAG
 ACTTTAGAGTCTAAGAAAATGATCTTAATTTACTTTAAGCATTGGTTATTCAAGTATTCA
 TTGTTGATCCTCCTATTCTCTTCCGTCTAATCTCTCACCTGCTAAAGGAGATTTACACAT
 TAGAAAAGCAAAGATTATTTTCATTTATCCAGATGACCATTTTCTGCCACAGGTAACATGA
 TTGTTTGACACACCATTATTTAATTCTAGTTTCTCTCAATGAATAATTGTATTTTTGT
 AGGAAATGTAAGATTTTCTGAAACATAATTATTGGTATGGACAAAATGCAGATACC
 ATTTCTGTTGAGGCTGCAGATTTCCAACTTTTTTCAGTGGTTCAGATTAGTATTAGGT
 CGGTACTAAGAAATAAGCATGTTTTCACTAATTAAGTACTTGAGACTCTGAAGAAAAT
 TCAGAATGAAGTTCTGGAGAAAGGTATGTTACTGTAGTAATTAATCTTTGAACAGGTTTT
 GTGTTTTGTCATTAGCTCTGCCCTTTTTAATTAATATTTTGGTTCATGGACCAAAGGGT
 TTAAGTGAACAATTTGTGTGACAGACTCCGAACAATTCCTTTACTACGAAGTATAATTTA
 TAAAAATAAATATACCCATTTTAAAGGTACAGTTTGATTTTTGACCAGTAAAATATGAT
 CCCAATCAAGGTATAGATGCCGTACCCCAAAAAGTTCCTCCTCATATCCCTTTGCAGTCA
 GTTCATCCCTACCTGGCCAGATGATCACTGATCTTGTGATTATAGATGAGTTTTGCCA
 GTTCAAGAATTTAATGGAATCAGATATTGTAAGCATTCTGTGTAATACTTCAATCTCTC
 TCATTATTGAGATTCATCCATATTGTTGAATGTTTCACTAGTTAATGTTTATTGTTCAAT
 ATTTTTGTATATACTTTTAAAGCCTATTCACCTGCTGATGGATCTTTGGTTTGTTCAG
 GTTTGGTTATTATGAATAAAGTTGCTGTGAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002915

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_002915.3 , NP_002906.1
RefSeq Size:	2396 bp
RefSeq ORF:	1071 bp
Locus ID:	5983
UniProt ID:	P40938
Cytogenetics:	13q13.2
Domains:	AAA
Protein Families:	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 kDa. This gene encodes the 38 kDa subunit. This subunit is essential for the interaction between the 140 kDa subunit and the core complex that consists of the 36, 37, and 40 kDa subunits. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>