

Product datasheet for SC109722

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
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC109722 sequence for NM_002915 edited (data generated by NextGen Sequencing)

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ATGAGCCTCTGGGTGGACAAGTATCGGCCCTGCTCCTTGGGACGGCTGGACTATCACAAG
GAGCAGGCGGCCAGCTGCGAACCTGGTGCAGTGTGGTACTTTCTCATCTGTAGTG
TACGGACCATCAGGTGCTGGAAAAAGACAAGAATTATGTGTATTCTACGTGAACTTTAT
GGTGTGGAGTGGAAAAATTGAGAATTGAACATCAGACCATCACAACCTCCATCTAAAAAA
AAAATTGAAATTAGCACCATTGCAAGTAACTACCACCTTGAAGTTAATCCTAGTGATGCT
GGAAATAGTGACCGAGTAGTCATTTCAGGAGATGTTGAAAACAGTGGCACAATCACAACAA
CTTGAAACAACTCTCAAAGGGATTTTAAAGTGGTATTATTGACAGAAGTTGACAAACTC
ACCAAAGATGCTCAGCATGCCTTGCGAAGAACCATGGAAAAATATATGTCTACCTGCAGA
TTGATCTTGTGCTGCAATTCTACATCTAAAGTGATCCACCTATTCGTAGTAGGTGCTTG
GCGGTTCTGTGCTGCTCCCAGCATTGAAGATATTTGCCACGTGTTATCTACTGTGTGT
AAGAAGGAAGGTCTGAATCTTCCCTTCACAACTGGCTCATAGACTTGCAAGAAAGTCTTGT
AGAAATCTCAGAAAAGCCCTGCTTATGTGTGAAGCCTGCAGAGTGCAACAATATCCTTTT
ACTGCAGATCAAGAAATCCCTGAGACAGATTGGGAGGTGTATCTGAGGGAGACTGCAAAAT
GCTATTGTGAGTCAAGAACTCCACAAAGGCTCCTTGAAGTTCGTGGAAGGCTGTATGAG
CTTCTAACTCATTGTATTCCCTGAGATAATAATGAAGGGCCTTCTCTCAGAAGTGTGA
CATAATTGTGATGGACAAGTAAAGGGGAGGTGGCACAATGGCAGCTTACTATGAGCAT
CGTCTACAGCTGGGTAGCAAAGCCATTTATCACTTGAAGCGTTTTGTGGCCAAATTCATG
GCACTTTATAAGAAGTTCATGGAGGATGGATTGGAAGGCATGATGTTCTGA
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Clone variation with respect to NM_002915.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002915 unedited NGCTTGTCAAAATTTGTATACGACTCACTATAGGCGGCCGCAATCGGCACGAGGAGGAC GCGCGCTCGCGCGNGATTTCAAGCGTAGGCCCCCGGAACTCGAGCTGCCATGAGCCTC TGGGTGGACAAGTATCGGCCCTGCTCCTGGGACGGCTGGACTATCACAAGGAGCAGGCG GCCAGCTGCGGAACCTGGTGCAGTGTGGTGACTTTCCTCATCTGTTAGTGTACGGACCA TCAGGTGCTGGAAAAAGACAAGAATTATGTGTATTCTACGTGAACCTTATGGTGTGGA GTGGAAAAATTGAGAATTGAACATCAGACCATCACAACCTCCATCTAAAAAATAATGAA ATTAGCACCATGCAAGTAACTACCACCTTGAAGTTAATCCTAGTGATGCTGGAAATAGT GACCGAGTAGTCATTCAGGAGATGTTGAAAACAGTGGCACAATCACAACAACCTGAAACA AACTCTCAAAGGGATTTTAAAGTGGTATTATTGACAGAAGTTGACAACTCACCAAAGAT GCTCAGCATGCCTTGCGAAGAACCATGGAAAAATATATGTCTACCTGCAGATTGATCTTG TGCTGCAATTCTACATCTAAAGTATCCACCTATTCGTAGTAGGTGCTTGGCGTTTCGT GTGCTGCTCCCAGCATTGAAGATATTTGCCACGTGTTATCTACTGTGTGAAGAAGGAA GGTCTGAAATCTTCCACAACCTGGNCTCATAGACTGCAGAGAAGCTTGTAGAAATCTC AGAAAGCCCTGCTTATGTGTGAAGCCTGCAGAGTGCACAATATCCTTTTACTGCAGATCA GNAATCCCCTGAGACAGATGGGAGGTGTATCTGTAGGAGACTGCAATGCTATTGTGAG TCAGAAACTCCACAAAGG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002915 unedited GCGGCACGCAATCTAAAATCGAGTTTTTTTTTTTTTTTTTTTTTAAAGTATTCACAGCAACT TATTCATAATAACCAAACCTGGAAACAAACCAAAGATCCATCAGCAAGTGAATAGGCTTT AAAAGTATATACAAAATATTGAACAATAAACATTAAGTAACTAGTAAACATTCAACAATATG GATGAATCTCAATAATGAGAGAGAATGAAGTATTACACAAGAATGCTTACAATATCTGAT TCCATTAATTTCTGAACTGGCAAACTCATCTATAATGACAAGATCAGTATCATCTGG GCCAGGTAGGGATGAACTGACTGCAAAGGGATATGGAGGGAACCTTTTGGGGTGACGGC ATCTATACCTTGATTGGGATCATAGTTTCACTGGTCAAAAATCAAACCTGTACCCTTAAAA TGGGTATATTTTATTTTATAAATATACTTTCGTAGTAAAGGAATTGTTCCGGAGTCTGTCA CACAAATTTGTCAAGTAAACCTTTGGTCCATGAACCAAAATATTTAATTAATAAAGGGCA GAGCTAATGACAAAACACAAAACCTGTTCAAAGAGTAATTACTACAGTAACATACCTTTC TCCAGAATTCATTCTGAATTTTCTTCAAGAGTCTCAAGTACTTAAATAGTGAAAAACAT GCTTATTTCTTAGTACCGACCTAATACTAATCTGAACCACTGAAATAAAGTTGGAAATC TGCAGCCTCAACAGAAATGGTATCTGCAATTTGTCCATACCAATAAATATGTTTCAGAA GGAAATCTTACATTTCTACAAAATACATTATTCATTGAGAGAACTAGAATTAATATA TGGTGTGTCACAACATCATGNTACCTGTGGCAGAAAATGGCATCTGGATAATAAATAATC TTGCTTCTATGNGNAATCTTTTACAGTGAGAGATTACGGAGAATTNGAGGATCACATGA TACTGATAC
Restriction Sites:	NotI-NotI
ACCN:	NM_002915
Insert Size:	2380 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).
RefSeq:	NM_002915.2 , NP_002906.1
RefSeq Size:	2380 bp
RefSeq ORF:	1071 bp
Locus ID:	5983

UniProt ID: [P40938](#), [A0A024RDQ8](#)

Domains: AAA

Protein Families: Stem cell - Pluripotency

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

Gene Summary: 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]
Transcript Variant: This variant (1) encodes the longer isoform (1).