

Product datasheet for **SC103164**

RIF1 (AK001461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIF1 (AK001461) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK001461, the custom clone sequence may differ by one or more nucleotides

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GTTATTAATCAAATGCAAAGCAGTTGGAAAAAAGGAGCATCTCTGGAAAAATGTGGAGTGTATAGTCA
CCCCATTAAGTGAATTGATTAATCAGACCAATGAAGTAAATCAAGGTGATGCCTTAGAACATAATTTTAG
TGCCATCTATGGTGCATTGACTTTACCAGTAAACCACATTTTTTCAGAACAGAGATTTCCAGTGCCACC
ATGAAGACTTTGCTTAGAACTTGGTCAGAATTATATAGAGCATTGCTCGTTGTGCTGCTTTGGTGGCAA
CAGCAGAAGAGAAGCTTGTGCTGTGAGGAACTTTCTCCAAGATAATGTCCAGTTTGAAGATGAAGGCTT
TTCTAATTTGTTGTTGCTGGATAGAATTATTTATATTACTGTAATGGTTGATTGACTTGACTTCTCA
CCATATAATATTAATATCAGCCCAAAGTTAAATCACCACAGAGACCTTCAGATTGGTCCAAAAAGAAGA
ATGAGCCCTAGGAAATGACTTCTTTATTTAACTTATTGTGAAAGTATCTATTCTTTCCACACACT
GAGCTTCAAGGAAGCACATTCTGATACCCTCTTCACTATTGGCAACTCAATCACCAGCATTATTTCCAGT
GTACTTGGGCATATTTCTTTGCCTTCTATGATCCGAAAAATATTTGCAACTTTAAACAAGACCTCTGGCAT
TATTTTATGAAAAGCTCAAAGCTTGTGATGAAGTTCCTAAAGTATATAGTTGTCTGAACAACAAGTTAGAAA
GCTACTGGGAGAAATTTGCTTGTCTGCAATTGAGTACACCGAACTTATGATAGTGAACCTTCTGAA
CAACTCTCCCACTATTATGCATAATTTCTGCACAAGAATAAACAGATTGCAAAAACAGAGTGTCTCAGT
TCTGGAATGCCACTTTTGCCAAAGTGTGATGTTGGTTTATCCTGAAGAGTTAAAACAGTACTAACACA
AGCCAAACAAAAATTTCTGCTCCTGTTGCTGGTTGGAACTGTTGAAATGATGGAGGAATCCAGTGGGA
CCATATTTCTGATGGAACAGAAAATTCACAACTAAATGTGAAGATAAGTGGCATGGAGAGAAAAATCAAATG
GAAAAAGAGATTCATTTTTGGCACAACAAAGAATAAAAAAGAAAATATGAAACAGCAGCCAAACTGAA
ACTTGAATCTTCGTTCTTTAAAAGTAAAGGGTAAAATCTTTTGGAAAGGAAAAGTCTACTGACTTTGTG
TTTATACCTCCAGAAGGAAAAGATGCAAGGAAAAGAATTAACCTGATCATCAAAAAGAAATTTCAAAA
CAAAGCGGTGTGATATTCTGCCATGTATAATAATCTGGATGTTTCCCAAGATACCTTATTTACTCAGTA
TAGTCAGGAAGAGCCTATGGAAATTCCTACTTTAACAGAAAACCAAAGGAGATTCTAAGATGATGATT
ACGGAGGAGCAAATGGACAGTGACATTGTCTTCTCAAGATGTCACGGAAGACTGTGGTATGGCTGAAC
ATCTTGAAAAGTCTCCCTTTTGAATAATGAGTGTGGTTCTTTGACAAAACAGTCCAGAAATGTCAAA
CAGTAATAATGATGAAAGAAAAAAGCTTTAATTTTCAAGGAAAACATCAACTGAATGTGCATCTAGT
ACAGAAAATCTTTGTTGTCAGCAGTAGTTTCTAATACCAGTGTGCTGGAACCTCCCATACC
CTACAAGTCGGAGGCAAACCTTTTACTTTGGAGAAGTTTGTGTTTCCAGAAAATAGACCTTTTAGTCC
ATCCCCCTTGAATAATTTTCACTCAACTGTTACAGTGAATAAACCAGGAAACCGTATTAAAACAGAT
TTTCTACCAAAAGCAAAGCAAAGAGAAGGACTTTTTCAAATCTGATTCTGAAAAAATAGTGAATGGAA
CTAAGAGATCAAGCCGGAGAGCTGGTAAAGCTGAACAAACAGGGAATAAAAGGTCTAAGCCCTAATGAG
ATCTGAGCCGGAGAAAAATACTGAGGAATCTGTTGAAGGCATTGTAGTCTTAGAAAAAACCACCTGGT
TTGCTTAATCAAACAGAAATGTGTGTCAGATAATCAGGTTTCTTTCTGAATCTACAATGGAGCATGACA
ATACAAAGCTTAAAGCAGCAACAGTGGAAAAATGCTGTATTATTGGAACTAATACTGTAGAGGAGAAAAA
TGTAGAAATTAATTTGGAATCCAAGAGAATACACCCCAAGTATGTAATATCAGCAGATCAAATGGTAAAT
GAGGATAGTCAGGTTTCAAGATAACTCAAATCAGAAAACCTTAGACGGTCTTCAAGGCGACGTTCAGAAG
TAGTAGAGTCTACCAGTAAAGCCAAGATAAGGAAAAATAGTCATCAAAAAAGGAACGACGTAAGGAAGA
AGAAAAACCTCTCAGAAGAGTCCATTGCATATAAAGATGATGTGTACCTAAACAAAAACTGATTGCT
GAACAACTCTACAGGAGATTTAATTGAGAAAGGAAGTAAATTTACATGAGAAGACTCTTGGGAAACTA
GTGCTAATGCAGAACTG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK001461 unedited</p> <pre>GGGGTTCACATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGATGAAA GTTCTTTCTCAGTTTGGAAATCACTTGTAGGCTGTGTTCTTTCTGGTCCAACCTCACCAC AGCTTTCAGTGACTCAGTTTTAAATGTTATTAATCAAAATGCAAAGCAGTTGGAAAATAA GGAGCATCTCTGGAAAATGTGGAGTGTTATAGTCACCCCATTAAGTGAATTGATTAATCA GACCAATGAAGTAAATCAAGGTGATGCCTTAGAACATAATTTTAGTGCCATCTATGGTGC ATTGACTTTACCAGTAAACCACATTTTTTCAGAACAGAGATTTCCAGTGGCCACCATGAA GACTTTTGCTTAGAACTTGGTCAGAATTATATAGAGCATTGCTCGTTGTGCTGCTTTGGT GGCAACAGCAGAAGAGAACTTGTGCTGTGAGGAACTTTCTTCAAAGATAATGTCCAGTTT GGAAGATGAAGGCTTTTCTAATTTGTTGTTGCTGGATAGAATTATTTATATTACTGT AATGGTTGATTGCATTGACTTCTCACCATAATAATTAATAATCAGCCCAAAGTTAAATC ACCACAGAGACCTTCAGATTGGTCCAAAAGAAGAATGAGCCCTAGGGAAATTGACTTC TTTATTTAAACTTATTGTAAAGTGATCTATTCTTTCCACACACTGAGCTTCAAGGAAGC ACATTCTGATACCCTCTCACTATTGGCAACTCAATCACCGGCATTATTTNCAGTGTACT TGGGCATATTTCTTTGCCTTCTATGATCCGAAAAATATTTGCAACTTTAAACAAGACCTCT GGCATTATTTTATGAAAACCTCNAAGCTGATGAAGTNNCTAAGTATATAGTTGTCTGAACA ACAAGTAGAAAGCTACTGGGAGAAATATTGCTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK001461 unedited</p> <pre>AGTATGGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAACCATGAGT GACTTTTCTGAGTTGTGATTTTTCCACAGCAATCACAACCTTTAGATCTCCTCACC CTCCTACTTCTCTGTGTTGGCATTCAAGTGTTGAAAAGTTTTTCTGAAAGCGAAGAA ATATCTGATATCCCTATTTTTGAGGATTCTCCAAACTACAATTATCAAAGAGTCTCGC TTATGTAATCTCTTAATGGCATTCTAGTCCTTAGATTGATTCTGGCACAGGTAGACTT GTAAAGGAATATTCTGCATATTTGCTAGTTTCATTTTTTCTCACACACATTTGGTAAA TCATCAGGAACCTGCAACAAATCTGAAGTACTGTAGAATCCTGCATATTACAGTATTA CTTTCATCTTGTTTTCGCAAATCGGAGATTTTATGCTTACATCTTCTCAGAAGTTGCT TTATAATCATGTGACTGATTTTCAGCTTTTATACATTCCTGTTTACCACCTTCTCTTCT TGATCTTGAATGTCAACACTTTCATTGCTTTTGTGTTTTCCATTTTCCAGATCTCTTCTC CTAGAACCTTCTCTTTTGCCTCCGAACATCAGATTCTGAGTTTTCAATGCTGGAAAGC AAACCCTGAGATGCTCTTCTAGTTTGATACCGTGTTCGGCCTCTGACTAGTTTCTCAGAG GACTTATCTACAATGTCCTGNGTACCATCCCCCTCAGACTTAATGTTCTCAGGGTCTGCC TTTTTTTTATTTTATTCAGTTTCTGCATTAGCACTAGTTTCCCCAAGAGTCTTCTCATGT AAATTACTTCTTCTCATTAATTTCTCCTGTAGAGTTTGTTCAGCAATCAGTTTTTGT TAGGTAACACATCATCTTTATATGCAATGGACTCTTCTGAAGAGTTTTTCTCTNCCTA CGTCGCTCTTTTTGAGACT</pre>
Restriction Sites:	NotI-NotI
ACCN:	AK001461
Insert Size:	3700 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).
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:

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: [AK001461.1](#), [BAA91705.1](#)

RefSeq Size: 2608 bp

RefSeq ORF: 2608 bp

Locus ID: 55183

Cytogenetics: 2q23.3

Gene Summary: This gene encodes a protein that shares homology with the yeast telomere binding protein, Rap1 interacting factor 1. This protein localizes to aberrant telomeres may be involved in DNA repair. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]