

Product datasheet for **SC106403**

RNF123 (AL832034) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RNF123
Synonyms:	FP1477; KPC1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL832034, the custom clone sequence may differ by one or more nucleotides

CCTGAACGGACGCCGTAGCCAAGAGGTTGGGCGGATGTTGTGAGCCGGGTCGCTGCGGCCGAGGCTCCGG
CCCCCAGGACCACTGGCTGCCATGAGAGATGAAGGATGGCATCCAAGGGGCCGGCATGTCTTTCTCCC
GCAAGAGCTATAGGCTGACCTCAGATGCTGAGAAATCCAGGGTCACAGGCATTGTGCAAGGAGAAGCTGCT
GAATGACTACCTGAACCGCATCTTTCTCTTCTGAACATGCACCCCCAGCAGCCACCAGCAGGAAACCC
CTGAACCTCCAGAACCTGCCAGAACATTTGGACCAGTTGCTACAGGTGGACAATGAGGAGGAGGAAAGCC
AGGGACAGGTTGAAGGGCGGCTTGGCCCATCCACTGTGGTCCTGGACCACACAGGCGGCTTTGAGGGGCT
TCTCCTGGTGGATGATGACCTGCTGGGGGTGATTGGACACAGCAACTTTGGCACCATCCGCTCTACCACA
TGCGTGTACAAAGGAAATGGCTCTACGAGGTCCTCATCTCCTCCAGGGGCTCATGCAGATCGGCTGGT
GCACCATCAGCTGCCGCTTCAACCAGGAGGAGGGGTTGGAGATACACAACTCCTATGCCTATGATGG
CAACCGCGTGCGAAGTGAATGTGACCACAACGAATTATGGCAAGCGTGGGCAGCGGGGACATCGTG
AGCTGCCTGATTGACCTGGATGATGGCACTCTGTCTTCTGCCTGAACGGTGTATCACTGGGCACTGCCT
TTGAGAACCTGTCCAGGGGCTGGGTATGGCCTACTTCCAGCCATCAGCCTCTCTTTCAAGGAGTCCGT
GGCCTTCAACTTTGGCAGCGCTCTCTGCGCTACCCAGTGGCAGGCTACCGGCCCTGCAGGACCCACCG
AGTGTCTGACCTGGTGGGACAGAGGTTGCTGGGCTGCTTCCGGCAGTGCTGAGTGTGGAGCTGGACC
CTGTGGAGGGCGGCTGTTGGACAAGGAGAGCTCCAAGTGGCGGTTGCGGGGCCAGCCACCGTCTCTCT
CACACTGGCCACATCTTCCATCACTTTGACCGCTTCTGCGCAAGGTGTATCTGGTGGAGGCTGTGCTC
ATGAGCTTCTTGTGGCATCGTGGAGAAGGGCACACCCACACAGGCACAGTCCGTGGTGCACAGGTCC
TGGACCTCTTGTGGCTCTTATGGAGGACTACGAGGTACAAGATTGCCTCAAGCAGTTGATGATGTCTCT
GCTTCGGCTGTACCGATTCTCACCCATTGTCCAGACCTGGGCTACAGATCCATTACCTGCGGCTCACT
ATCGCCATCCTGAGGCATGAGAAGTCCCGCAAGTTTCTGCTTAGCAATGTCTCTTTCGACGTGCTCCGCT
CCGTCGTCTTCTTTACATCAAGAGCCCCCTGCGTGTGGAGGAGGCCGCTGCAGGAGCTCATTCCAC
CACCTGGTGGCCCCACTGCTCCAGTAGGGAGGCAAGAGAGCACGGAGATGAAGGAGGAGACCGCAGAG
GAGCGCTGCGGCGGCGAGCCTACGAACGGGGCTGTACGCGCTCAGGAAGCGCATCGAAGTGGTGAAG
AACTACAGGTCCAGATCCTGAAGCTGCTGTGGACAATAAAGATGACAATGGGGGTGAAGCTTCTAGGTA



TATCTTCCTGACCAAGTTTCGCAAGTTTCTGCAGGAGAACGCCAGTGGCCGGGGGAACATGCCCATGCTC
TGCCCCCTGAGTACATGGTCTGCTTCTTACACCGGCTGATCTCTGCCCTGCGCTACTATTGGGATGAAT
ACAAGGCTTCCAATCCTCATGCTTCCTTCAGTGAGGAGGCTACATCCCGCCCCAGGTCTTCTATAATGG
CAAGGTGGACTACTTTGACCTGCAGCGCCTGGGGGGCCTCCTCTCGCGCCTGCGGAAGACCTCAAAGAT
GACCTTGCTTCCAAGCCAACATTGTGATCGACCCACTGGAGCTCCAGTCAACGCCCATGGATGACCTAG
ATGAGGATGAGGAGCCAGCCCAGCTATGGCCAGCGCCCATGCAGGCCCTGGCTGTTGGGGGGCCACT
GCCCTGCCCGGGCCGGCTGGCTCAGTTCTCCAATTGGGCCGAGCCAACCGCTTCTCAGCACAGCG
GCTGTGAGCCTCATGACCCACGGCGCCTCTGAGCACCTCGGAGAAAGTGAAGGTCCGCACGCTGAGCG
TGGAGCAGAGGACCCGTGAGGACATTGAAGGCAGCCACTGGAATGAGGGCTTGCTGCTGGGGCGGCCCCC
CGAGGAGCCTGAGCAGCCCCCACCAGAACTCGCTGCTGGAAGTCTGGATGGGGCGGTGATGATGTAC
AACCTCAGCGTACACCAGCAGCTGGGCAAGATGGTGGGTGTCTCCGATGATGTCAATGAATACGCTATGG
CTCTGAGGGGCACAGAGGACAAGCTCCGCCGTGCCCAAGAGGAGGAAGGACATCCTTGACAGATTGAC
CAAGAGCCAGAAGGTTTCTCAGAAAAGCTGGACCACCTGAGCCGCGCTTGCCTGGGTCCATGCCACT
GTCTACTCCAGGAGAAGATGCTGGACATCTACTGGCTGCTGCGCGTCTGCCTGCGGACCATGAGCAG
GTGATCGCACAGGGTCTCTTTGCCCTTCATGCCGAGTTTACCTGAGCGTGGCCATCAACAGCTACAG
TGCTCTCAAGAACTACTTTGGTCCCGTGCACAGCATGGAGGAGCTCCAGGCTATGAAGAGACCCGTGACC
CGCCTGGTGCCATTCTCGCCAAACACTTTGCCGACGCACGCAATTGTGGCACTGACATCCGAGACTCAC
TGATGCAGGCCCTGGCCAGCTACGTGTGCTACCCACACTCCTGCGGGCTGTGGAGCGAATCCCCGAGGA
GCAGCGTATCGCCATGGTGAGGAACCTCCTGGCGCCCTATGAGCAGCGGCCCTGGGCCAGACCAACTGG
ATCCTGGTGGGCTCTGTAGGGCTGTGGCTTCGGGTACCGCTATACACGGCTGCCACATCTGCTGAAAA
CCAACTTGAGGACGCCAATTGGCCAGCCTCCAGAAGCCCTGCCCTTCCACCCTGCTGCAGCAGCACAT
GGCGGACCTCCTACAGCAGGGTCTGATGTGGCACCAGCTTCTCAACAGCGTCTCAATCAGCTCAAC
TGGGCTTCTCTGAATTCATTGGCATGATCCAAGAGATCCAGCAGGCTGCTGAGCGCTGGAGCGGAAT
TTGTGGACAGCCGGCAGCTCAAGGTATGTGCCACCTGCTTTGACCTCTCGGTGAGCCTGCTGCGTCTT
GGAGATGACTATCACACTGGTGCCTGAGATATTCTTGACTGGACCCGGCTACCTCTGAGATGCTGCTG
CGGCGTCTTGACAGCTGCTAAACCAGGTGCTGAACCGGGTGACAGCTGAGAGGAACCTGTTTATCGTG
TGGTCAACCTACGGCTGCCTGGCTAGAGAGCGTGGACCACTATCCCATCTGGTGGCAGTGACGGGCAT
CCTGGTGCAGCTCCTGGTGCCTGGCCAGCCTCAGAGAGAGAGCAAGCCACATCAGTGTCTCTGGCAGAT
CCCTGCTTCCAGCTACGCTCAATATGCTATCTCCTGGGACAGCCAGAGCCCCAGCACCTGGCACTGCTC
TGCCAGCCCCGACCGGAAGCGCTTCTCCTGCAGAGCTATGCGGATTATATCAGTGCCGATGAGCTGGC
CCAAGTGGAACAGATGCTGGCGCACCTGACCTCTGCATCTGCCAGGCAGCAGCTGCCTCCTGCCACC
AGTGAGGAGACCTCTGCCCATCTGCTATGCCACCCCATCTCTGCTGTGTTCCAGCCCTGTGGCCACA
AGTCTCTGAAAGCCTGTATCAACCAGCACCTGATGAACAACAAGGACTGCTTCTTCTGAAAAACCAT
CGTGTCTGTAGAGGACTGGGAGAAGGGAGCCAATACGAGTACTACCTCCTCAGCTGCCTAGCCCTCACAG
CCTGTGCCATCTTGAACCTCCACCTTTGAACCCAGAGCCAGGCTGGGCCCTATTTATGGGCTCCCTTTG
CCCTTCTCTGTATCCACACCAACACATCCAACCTCCTTGCTGCTGTATCTCATTGGTGGGAGGCC
AGCCATGGCCCTAATTGTGCTGAGCTTGAAGTTCAGTCAGGGCCACAGTGAGCATTAAATTATTATTC
ATAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for AL832034 unedited
CTCACTATAGGGGCGGCCGATTTCGGCACGAGGGGAGAGAGAGAGCCGGGTGCTGCGG
CCGAGGCTCCGGCCCCAGGACCACTGGCTGCCCATGAGAGATGAAGGATGGCATCCAAG
GGGGCCGGCATGTCTTTCTCCCGCAAGAGCTATAGGCTGACCTCAGATGCTGAGAAATCC
AGGGTCACAGGCATTGTGCAGGAGAAGCTGCTGAATGACTACCTGAACCGCATCTTTTCC
TCTTCTGAACATGCACCCACAGCAGCCACCAGCAGGAAACCCCTGAACCTCCAGAACCTG
CCAGAACATTTGGACCACTGCTACAGGTGACAATGAGGAGGAGGAAAGCCAGGGACAG
GTTGAAGGGCGGCTTGGCCATCCACTGTGGTCTGGACCACACAGGCGGCTTTGAGGGG
CTTCTCCTGGTGGATGATGACCTGCTGGGGGTGATTGGACACAGCAACTTTGGACCATC
CGCTTACCACATGCGTGTACAAAGGGAATGGCTCTACGAGGTCTCATCTCTCCAG
GGGCTCATGCAGATCGGCTGGTGCACCATCAGTGCCGCTTCAACCAGGAGGAGGGGTT
GGAGATACACAACTCCTATGCCTATGATGGCAACCGCTGCGCAAGTGAATGTGACC
ACAACGAATTATGCAAGGCGTGGGAGCGGGGACATCGTGAGCTGCCTGATTGACCTG
NATGATGGCACTCTGCTCTTCTGCCTGAACGGTGTATCACTGGGCACTGCCTTTGAGACC
TGTCCAGGGCCTGGGTATGGCCTACTTNCACCATCAGCCTCTCTTTCAGGAGTCCGTGC
CTTCACTTGGCAGCGT

3' Read Nucleotide Sequence:	>OriGene 3' read for AL832034 unedited <pre> CCCCCAATGNGGATAATTAACCGCATCGGTGGTTCTGAAAGAACATCAAGCTCAGGCA CAATTAGGGCCATGGCTGGGCTCCACCAATGAGGATACAGGCAGGCAAGGAGTTGGAT GTGGTGGTGTGGGATACAGGAGGAGGCAAGGAGGCTCATAAATAGGGCCAGCCTGGC TCTGGGTTCAAAGGTGGAGGCTCCAGGATGGCATTGGTTGTGAGGGCTAGGCAGCTGAGG AGGTAGTACTCGTATTGGCTCCCTTCTCCAGTCCTCTACAGACACGATGGTGGTTTTGC AGAAGAAGCAGTCCTTGTGTTTCATCAGGTGCTGGTTGATACAGGCTTTGCAGGACTGT GGCCACAGGGCTGGAACACAGCAGAGATGGGGTGGGCATAGCAGATGGGGCAGAGGTCT CCTCACTGGTGGGAGGAGGAGCTGCTGCCTGGGCAGATGCAGAGGTGAGGTGCGCCA GCATCTGTTCCACTTGGGCCAGCTCATCGGCACTGATATAATCCGCATAGCTCTGCAGGG AGAAGCGCTTCCGGTACGGGCTGGCAGAGCAGTGCCAGGTGCTGGGGCTCTGGCTGTC CCAGGAGATAGCATATTGAGCGTAGCTGGAAGCAGGGATCTGCCAGGAGCACTGATGTGG CTTGCTCTCTCTGAGGCTGGGCCACGCACCCAGAGCTGCACCAGGATGCCCCTACTG CCCCAAAAGGGTAGTGGTCCCAGCTTCTTTAGCCAGGCAGCCGTAGGGTGCCACCCG ATCAACAGGGTCTCTCAGCTGTCACCCGGTTCAACACCTGGTTTAAACACCTGTTCCA AGGACGCCGACGAGCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	AL832034
Insert Size:	4000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AL832034.1
RefSeq Size:	4284 bp
RefSeq ORF:	4284 bp
Locus ID:	63891
Cytogenetics:	3p21.31

Domains: RING, SPRY

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene contains a C-terminal RING finger domain, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions, and an N-terminal SPRY domain. This protein displays E3 ubiquitin ligase activity toward the cyclin-dependent kinase inhibitor 1B which is also known as p27 or KIP1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]