

Product datasheet for **SC304181**

RNF44 (NM_014901) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RNF44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304181 representing NM_014901. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGCGACCATGGGCTCTGGCAGTGAAGTGGCCACCCTCCGCCCGTGGGCCAGCGCGATTCTCT
GCGGGACCTGGCAGCACCCGGGCCAGCTCTGGGAAGCCCTGGCCTCGAGGGCCCTGGCCAGCCG
CCTGCCCGGGATGAGCGCTTACCCTCCAGCAGCGCCGCTCCGACCTCCACACCTCCCGTAGAGGAG
CGCCGAGCCTCGGCTCCTGCCGGCGGGAGCCCCGAATGCTGCACCCAGCCACCCAGCAGAGCCCGTTC
ATGGTTGATCTCCACGAGCAGGTGCACAGGGACCTGTCCCTCTGTCTACACGGTCACCACAGTGACG
ACCCAAGGCTTCCCCTTGCCCTACAGGCCAGCACATCCCTGGCTGCAGTGCCAGCAGCTCCAGCATGC
TCCGTGATGTTAGTGGCAGCATTACCCCTCTGTGCCTCCCGCCCCGCTTATCCAGGCGTGACC
ATGCAGCAGCTGCCTGTGCCCTATCAGGCCTACCCCACTCATCTCCAGTGACCACTACATCCTGCAC
CCCCACCAACCGGCCCAACCCCAAGCCACCATGGCGCCCTGGGGCAGTTTGTGTCTCTGCAG
ACCCAGCACCTCGGATGCCCTCCAGCGGCTCGACAACGACGTGGACCTGCGTGGGGACCAAGCCCTCC
CTGGGCAGCTTCACTACTCCACCTCTGCGCTGGCCAGCCCTTCCCGTCGGTGCCCTGCACTAC
CTGCCCCACGATCCGCTGCACCAAGGAGCTGTCTTTGGTGTGCCATATTCTACATGATGCCACGGAGA
CTGAGCACCCAGAGATACCGCTGCAGCAGCACTGCCCGCGCCCGCCCAACCCCAACCCCAACCC
TACTACCCAGCTTCTGCCCTACTTCTCTCGATGCTGCCAATGTACCAACAGCAATGGGGCCACC
ATCAGCCTGGACCTGGACGTGGATGATGTGGAGATGGAGAACTATGAGGCCCTCCTGAACCTGGCCGAG
CGGCTGGGAGATGCCAAGCCCGGGGTCTCACCAGCAGACATAGAGCAGCTCCCGTCGTACCGCTTT
AACCCGGACAGCCATCAGTCGGAGCAGACGCTGTGTGGTCTGCTTCACTGACTTCGAGGCGCGGACG
CTGCTCCGAGTCTCCCTGCAACCATGAGTTCACACCAAGTGTGTGACAAGTGGTTGAAGGCCAAC
CGGACGTGTCCATCTGCCGGCCGACGCTCCGAGGTGCCAGGAGGCTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGC
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Restriction Sites: SgfI-MluI



ACCN:	NM_014901
Insert Size:	1299 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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:	NM_014901.4
RefSeq Size:	4153 bp
RefSeq ORF:	1299 bp
Locus ID:	22838
UniProt ID:	Q7L0R7
Cytogenetics:	5q35.2

MW: 47.7 kDa

Gene Summary: The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. [provided by RefSeq, Jul 2008]