

Product datasheet for **SC127310**

RNF10 (NM_014868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF10 (NM_014868) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF10
Synonyms:	RIE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014868, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCTGAGCTCCCCAACGCCGCCGCCACCGCCTCCGACATGGACAAGAACAGCGGCTCCAACAGCT
CCTCCGCCTCTTCGGGCAGCAGCAAAGGGCAACAGCCGCCCGCTCCGCCTCGGCGGGGCCAGCCGGCGA
GTCTAAACCCAAGAGCGATGGAAGAAGTCCAGTGGATCCAAGCGTTAATCGCAAACGTGAACCTTCC
TACCCCAAAAATGAAAGTTTTTAACAACCAAGTCCCGTCGCTCCAGTTCACAGAAAAGCAAGACTTTTAACA
AGATGCCTCCTCAAAGGGGCGGGCAGCAGCAAACCTCTTAGCTCTTCTTTAATGGTGAAGACGAGA
TGAGGTAGCAGAGGCTCAACGGGCAGAGTTAGCCCTGCCAGTTCTCTGGTCTAAGAAGATCAACCTG
AACCACTTGTTGAATTTCACTTTTGAACCCCGTGGCCAGACGGGTCACTTTGAAGGCAGTGGACATGGTA
GCTGGGGAAGAGGAACAAGTGGGGACATAAGCCTTTTAAAGGAAGTCTTTTACAGGCCAACTGCCA
ATTTGTGGTGTCTGAAGACCAAGACTACACAGCTCATTTTGTGATCCTGATACATTAGTTAACTGGGAC
TTTGTGGAACAAGTGCATTTGTAGCCATGAAGTGCCATCTTGCCCAATATGCCTCTATCCACCTACTG
CAGCCAAGATAACCCGTTGTGGACACATCTTCTGCTGGGCATGCATCCTGCACTATCTTCACTGAGTGA
GAAGACGTGGAGTAAATGTCCCATCTGTTACAGTTCTGTGCATAAGAAGGATCTCAAGAGTGTGTTGCC
ACAGAGTCACATCAGTATGTTGTTGGTGATACATTACGATGCAGCTGATGAAGAGGGAGAAAGGGTGT
TGGTGGCTTTGCCAAATCCAAATGGATGAATGTAGACCATCCCATTCATCTAGGAGATGAACAGCACAG
CCAGTACTCCAAGTTGCTGCTGGCCTCTAAGGAGCAGGTGCTGCACCGGGTAGTTCTGGAGGAGAAAGTA
GCACTAGAGCAGCAGCTGGCAGAGGAGAAGCACACTCCGAGTCTGCTTTATTGAGGCAGCTATCCAGG
AGCTCAAGACTCGGAAGAGGCTCTGTGCGGATTGGCCGAAGCAGAAGGGAGGTCACTGGTGTGTTGGC
TGCTCTGGAACAACTGGTGTGATGGCTCCCTTGCGGAAGGAGTCTGTTTTCAACCCAGGAAGGGTGTG
CTGGAGTATCTGTCTGCCTTCGATGAAGAAACACGGAAGTTTGTCTCTGGACACTCCTCTAGACCTC
TTGCTCTCCCTCTGGTAGAAGAGGAGGAAGCAGTGTCTGAACCAGAGCCTGAGGGGTTGCCAGAGGCCTG
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CCCATCACCAAGTCAGGCTTCACACGCCTCAGCAGCTCTCCTTGTACTACTTTTACCAAGCGGAAGATG
GACAGCATATGTTCTGCACCTGTGAATGTGCGCTGCCTCGTGCGGGAGTACGGCAGCCTGGAGAGGAG
CCCCGAGAAGATCTCAGCAACTGTGGTGGAGATTGCTGGCTACTCCATGTCTGAGGATGTTGACAGCGT
CACAGATATCTCTCACTTGCCACTCACCTGTGAGTTCAGCATCTGTGAAGTGGCTTTGCAACCTCCTG
TGGTCTCTAAGGAAACCCTAGAGATGTTCTCAGATGACATTGAGAAGAGGAAACGTACGCGCCAAAAGAA
GGCTCGGGAGGAACGCCCGGAGAGCGCAGGATTGAGATAGAGGAGAACAAGAAACAGGGCAAGTACCCA
GAAGTCCACATTCCTCGAGAATCTACAGCAGTTTCTGCCTTCAATTCTTATACCTGCTCCTCTGATT
CTGCTTTGGGTCCACCAGCACCAGGGCCATGGGGCCCTCTCCATTTCTCCTCTCAGCAGAAGTCCAGG
TTCCCATGCAGACTTTCTGCTGACCCCTCTGTCAACCACTGCCAGTCAGGGCAGTCCCTCATTCTGCGTT
GGGAGTCTGGAAGAAGACTCTCCCTTCCCTTCTTTGCCAGATGCTGAGGGTTGAAAAAGCAAAAGCAG
ATGTGTGGCCCAAACTGCTCCAAAGAAAGATGAGAACAGCTTAGTTCCTCCTGCCCTGTGGACAGCGA
CGGGGAGAGTGATAATTCAGACCGTGTTCCTGTGCCAGTTTTCAAAATTCCTTCAGCCAAGCTATTGAA
GCAGCCTTCATGAACTGGACACACAGCTACTTCAGATCCCCTCTCTGAAGAGAAAGGAGGAAAGAAAA
GAAAAAACAGAAACAGAAGCTCCTGTTCAGCACCTCAGTCGTCCACACCAAGTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014868 unedited
 AATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCGCCATTCCC
 GGAGCAGGTGGGCTCGGCCAGGGCGAGTATCCGTTGCTGTGTCGGAGACACTAGTCCC
 CGACACCGAGACAGCCAGCCCTCTCCCTGCCTCGCGCGGGAGAGCGTGTCCGGCCGGC
 CGGCCGGCGGGCTCGCGCAACCTCCCTCGCTCCCTTCCCGCAGCCTCCGCCCGC
 CAGGCCCGGCCGGAATCCGAGCCCCGGCCTCCTCGTCTCGGTGCGCGCTGCCGCCG
 GCTTAACAGCCCCGTCCGCGCTTCTCTTCTAGTTTGAGAAGCCAAGGAAGGAAACAGG
 GAAAAATGTCGCATGAAGGCCGAGAACCCTGCGCGCCCGACCCCGCGGCCCTGAA
 CGCCATGAGCCTGGGTCCCCGCCGCGCCGCTCCGCTCCGACTGCCGTGCGCGCCGAGGC
 CCCCCGTTGATGCCGCTGAGTCCCCAACGCCGCCGCCACCGCTNCGACATGGACAAG
 AACAGCGGCTCCACAGCTCCTNCCGCTCTTCGGCAGCAGCAAAGGGGCAACAGCCGGC
 CCCGCTCGCCCTGGCGGGCCAGCCGGCGAGTCTAACCCAGAGCGATGGAAAGAACTC
 AGTGGATCCCAAGCGTAATAATCGCAAACGTGAACCTTTCTTACCCAAAATGAAAGTT
 TTACAACAGTCCCGCGCTCCAGTTAACAGAAAAGCAAGAAATTNTAACAGGAGCCCTCC
 CAAAAGGGCGGCGGAAGCAAACTCTTAACCTTTCTTTAATGGGGGAACAACAGAAG
 AGGTACCAAAGCTCAACCGGCANAGATTACCCCTCCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014868 unedited
 GATTGTTTACATACTTTATTTTGGTGGTAAANACAGGNAAGCTGGNAAAAACTGTATT
 TAAATTTTCTTGGTTCCCCCTCACATTGTGGAACCCCTCCCCCAGAGCTAATCTGT
 TCAAACCTCAAATACTTAAAAATTACAGCAGCCAAACAAAAGCATGGGGNAAAAAAAAC
 AAAACAAAAACCAGATGGAGAAGTAGCTGGGCCAGTAGTGCACTTGGTGTGGACGA
 CTGAGGTGCTGAACAGGAGCTTCTGTTTCTGTTTTTCTTTCTTTCTTCTCTTCTCTT
 CAGAGAGGGGATCTGAAGTAGCTGGTGTGTCCAGTTTCATGAAGGCTGCTTCAATAGCTT
 GGCTGAAGGAATTTTAAAACTGGGCACAGGAACACGGTCTGAATTATCACTCTCCCCGT
 CGCTGTCCACAGGGGCAGGAGGAATAAGCTGTTCTCATCTTTCTTTGGAGCAGTTTGG
 GCCACACATCTGCTTTTGTCTTTTCAACCTCAGCATCTGGGCAAAGGAAGGGAAGGGAG
 AGTCTTCTTCCAGACTCCCAACGAGAATGAGGGACTGCCCTGACTGGCAGTGGGTGACA
 GAGGGGTCAGCAGAAAGTCTGCATGGGAACCTGGACTTCTGCTGAGAGGAGAAATGGAGA
 GGGCCCCATGGCCCTCGGTGCTGGTGGGACCAAGCAGAATCAGAGGAGCATGTATAAG
 AATTGAAGGCAGGAACTGCTGTAGATTCTCGAGGGAATGTGGACTTCTGGGTACTTGCC
 CTGTTTCTTGTCTCTTTATCTCAATCCTGCGCTCTCGGGCGTTCTTCCGACCTCT
 TTTGGGGCTGACGTTCTCTTCTAAAGGCATCTGAGAACATCCTAGGTTTTCTAAAAAC
 CACGGAAGTTGCAACACAGT

Restriction Sites:

ECorI-NOT

ACCN:

NM_014868

Insert Size:

3110 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:	<u>NM_014868.3, NP_055683.3</u>
RefSeq Size:	3784 bp
RefSeq ORF:	2436 bp
Locus ID:	9921
UniProt ID:	<u>Q8N5U6</u>
Cytogenetics:	12q24.31
Domains:	RING
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene contains a ring finger motif, which is known to be involved in protein-protein interactions. The specific function of this protein has not yet been determined. EST data suggests the existence of multiple alternatively spliced transcript variants, however, their full length nature is not known. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).