

Product datasheet for **SC108720**

RNF220 (NM_018150) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF220 (NM_018150) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF220
Synonyms:	C1orf164
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_018150, the custom clone sequence may differ by one or more nucleotides

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ATGGACTTACACCGGGCAGCCTTCAAGATGGAGAAGCTCATCTACCTTCCCAACCTCTGGCATCCCCAG
CACTGATGGTCTGGCATCCACGGCTGAGGCCAGCCGTGATGCTTCCATCCCTTGTGAGCAGCCACGACC
CTTTGGTACCTGTCTCAGTTGACAAGGACGTGCATATTCTTTACCAACGGTTCCTATACCTTTGCC
TCTATGTACCATCGGCAAGGTGGGGTGCCAGGCACTTTTGCCAATCGTGATTTCCCCCTTCTACTAC
ACCTCCACCTCAATTTGCTCCCCAAATCTAGATTGCACCCCAATCAGTATGCTGAATCATAGTGGTGT
GGGGGCTTTCCGGCCCTTTGCCTCCACCGAGGACCGGGAGAGCTATCAGTCAGCCTTTACGCCGGCCAAG
CGACTTAAAGAACTGCCATGACACAGAGTCTCCCCACTTGCCTTCTCAGATGCAGATGGCAAGGAATATG
ACTTTGGGACACAGCTGCCATCTAGCTCCCCGGTTCACTAAAGGTTGATGACACTGGGAAGAAGATTTT
TGCTGTCTCTGGCCTCATTTCTGATCGGGAAGCCTCATCTAGCCCAGAGGATCGGAATGACAGATGTAAG
AAGAAAGCAGCGCATTGTTGACAGCCAGGCCCAATTTGCCCATCTGCCAGGTCTGCTGAGGCCCA
GTGAGCTGCAGGAGCATATGGAGCAGGAACTGGAGCAGCTAGCCCACTGCCCTCGAGCAAGAATCCCT
TCTGAAGGATGCCATGGCTCCAGGCACCCAAAGTCCCTCCTGTTGTCTGCTCCATCAAGAGGGAAGGA
GAGTCTCCAACGGCATCACCCACTCATCTGCCACCGATGACCTCCACCATTAGACAGATACCAGACCT
TTCTGCGAGTACGAGCCAACCGGCAGACCCGACTGAATGCTCGGATTGGGAAAATGAAACGGAGGAAGCA
AGATGAAGGGCAGAGGGAAGGCTCCTGCATGGCTGAGGATGATGCTGTGGACATCGAGCATGAGAACAAC
AACCGCTTTGAGGAGTATGAGTGGTGTGGACAGAAGCGGATACGGGCCACCACTCCTGGAAGGTGGCT
TCCGAGGCTCTGGCTTTCATCATGTGCAGCGCAAGAGAACCAGGACAGTATGCTGACTTGGATGTGGA
TGGGGATGACACTCTGGAGTATGGGAAGCCACAATACACAGAGGCTGATGTCATCCCCTGCACAGGCGAG
GAGCCTGGTGAAGCCAAGGAGAGAGAGGCACTTCGGGGCGCAGTCTAAATGGCGGCCCTCCAGCAGCG
GCATCACACCTGAGTTCTCTAAATGGGCCAGTGTGAGATGCCATCCACCAGCAATGGTGAAGCAGCAA
GCAGGAGGCCATGCAGAAGCCTGCAAGAACAGCGACATCGAGAAAATCACCGAAGATTCAGCTGTGACC
ACGTTTGAAGGCTCTGAAGGCTCGGGTCAAGAACTTGAACGGCAGCTATCTCGTGGGGACCGTTACAAAT
GCCTCATCTGCATGGACTCGTACTCGATGCCCTAACGTCCATCCAGTGTGGCACGTGCACTGCGAGGA
GTGCTGGCTGCGGACCTGGGTGCCAAGAAGCTCTGCCCTCAGTGCAACACGATCACAGCGCCCGGAGAC
CTGCGGAGGATCTACTTGTGA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_018150 unedited
GACGTTTCGCTATTTGTATACGATTCACTATAGGCGGCCGGAATTCGCACGAGGGCCGCC
GCCGCGGGCAGCCACGGGGAATCCGCCGCATCGCCGCCCTCGCCGGCCGGGCGGCCGT
GGGGCCAGAGCGCCGGAGGCCAGGGCTGGGGCGGCACCGCGCAGCGGCCACGGGTCCC
GTTAGAGCAGCGCCCGGGCTATGCCGAGAGCCCGAGCGCCGGAGGAGCAGAGGGGC
CGGCGGGAGGGAGGAAACCTTTCTGCGAGTACGAGCCAACCGGCAGACCCGACTGAATGC
TCGGATTGGGAAAATGAAACGGAGGAAGCAAGATGAAGGGCAGAGGGAAGGCTCCTGCAT
GGCTGAGGATGATGCTGTGGACATCGAGCATGAGAACAACAACCGCTTTGAGGATATGA
GTGGTGTGGACAGAAGCGGATACGGGCCACCACTCCTGGAAGGTGGCTTCCGAGGCTC
TGGCTTTCATCATGTGCAGCGCAAGAGAACCAGGACAGTATGCTGACTTGGATGTGGA
TGGGGATGACACTCTGGAGTATGGGAAGCCACAATACACAGAGGCTGATGTCATCCCCTG
CACAGGCGAGGAGCCTGGTGAAGCCAAGGAGAGAGGCACTTCGGGGCGCAGTCTAAAT
TGGCGGCCCTCCAGCACGCGCATCACACCTGAGTTCTCTAAATGGGCCAGTGTGAGAT
GCCATCCACCCAGCATGGTGAAGCAGCCAGCAGGAGGCCATGCAGAAGCCTGCAAGAA
CAGCGACATCGAGAAAATCACCGAAGATCAGCTGTGACCAGTTTGGAGCTCTGAAGCTCG
GGTCAAAAACCTTACGGCAGCTATCTGTGGGGACCGTACCAATGCTCATCTGC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018150 unedited CTAGAGTCGAGNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT AACGGGTATACTGGTTAATCCATGTCAAATGTAGTTTACAAAGGGAAAGGACAAGTCC CTTTGTAAAATATACAGACCCAGCATCACACCACAGGGCCACGGGAGGGTCGGGGAA ACAACACTTTTTCCCTGGGAAAGGCAGCTCTAATCCAAAAATGGTTCTCAACAAAGGCT GGGGGCCAGGAACACTGTCCTTTAACCCCTAACTCAACCTTTGTTTAACTCGGTTCC CATTTCCTGCCTTTACCCCTTCTTATAAAAAGCCCATGAGCTAAAATAAGGAG AGGATCATGTCCCTTGGGGCGTGTGCCCATGTCTGGGAAAAAATATACCCCACTGAA CACCGAGCCCATGGGAAAGGGAAGGACACCCAGGAGAAAGAGAGGCCCATCCCCACG AGGTGGATGGCCGACCTCCACCAAACCTGAAGAGGCCTGTTTTCAAGGGTTTTTAA AAAAGAAAAAATCCTCCACCCCAAGGGGGAGGGCCACGTTCAAGGCAAGACTTTCC CTTTATACAAAAATTTGGAACCTTCAACGGCTTTATTAATGGGCTAACCTGGGGCTA GCATGCCTCCCCCCCCCTTGCACAATGGGGCTTGGATTTATAGAAGCGCGTCCCTC TTTTCTCCCAAACCTCACTTTCTTGGCCCACTTGAAAAACGACTGGAATATTTTG GCTCTCAACCATAGGTGGACCCCACTGGAATGCCTTGCCTTCAACCCACATCTCCACCGCGT ACTCTGATTTCCATTTTACACCGCCCACTTACTATATACTTGCCGCTTGCATCC CCAATCACCGTATCCTTGCATAAACCTCATATTCATATCCTTCCCCATCTCATATTA CCACCNCTCCGCCGTCATCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_018150
Insert Size:	2150 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:	<ol style="list-style-type: none"> 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:	NM_018150.2 , NP_060620.2
RefSeq Size:	3025 bp
RefSeq ORF:	1701 bp
Locus ID:	55182
UniProt ID:	Q5VTB9
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome

Gene Summary:

E3 ubiquitin-protein ligase that promotes the ubiquitination and proteasomal degradation of SIN3B (By similarity). Independently of its E3 ligase activity, acts as a CTNNB1 stabilizer through USP7-mediated deubiquitination of CTNNB1 promoting Wnt signaling (PubMed:25266658).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform (1).