

Product datasheet for **SC115779**

RNF5 (NM_006913) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF5 (NM_006913) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF5
Synonyms:	RING5; RMA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115779 sequence for NM_006913 edited (data generated by NextGen Sequencing) ATGGCAGCAGCGGAGGAGGAGGACGGGGCCCCGAAGGGCCAAATCGCGAGCGGGGCGGG GCGGGCGCGACCTTCGAATGTAATATATGTTTGGAGACTGCTCGGGAAGCTGTGGTCAGT GTGTGTGGCCACCTGTACTGTTGGCCATGTCTTCATCAGTGGCTGGAGACACGGCCAGAA CGGCAAGAGTGTCCAGTATGTAAAGCTGGGATCAGCAGAGAGAAGGTTGTCCCGCTTTAT GGGCGAGGGAGCCAGAAGCCCCAGGATCCAGATTAAAACTCCACCCGCCCCAGGGC CAGAGACCAGCTCCGGAGAGCAGAGGGGGATTCCAGCCATTTGGTGATACCGGGGCTTC CACTTCTCATTTGGTGTTGGTGCTTTTCCCTTTGGCTTTTTCACCACCGTCTTCAATGCC CATGAGCCTTTCCGCCGGGTACAGGTGTGGATCTGGGACAGGGTCACCCAGCCTCCAGC TGGCAGGATTCCCTCTTCTGTTTCTCGCCATCTTCTTTTTTTGGCTGCTCAGTATT TGA Clone variation with respect to NM_006913.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006913 unedited
TCTTAGGATTTTGTAAACACGACTTACTATAGGGACGGACCGCAATTCGGCACGAGGCG
AAACAAAACCGGCCATGGCAGCAGCGGAGGAGGAGGACGGGGGCCCGAAGGCCAAATCG
CGAGCGGGGGCGGGGCGGCGACCTTCGAATGTAATATATGTTTGAGACTGCTCGGGA
AGCTGTGGTCAGTGTGTGGCCACCTGTACTGTTGGCCATGTCTTCATCAGTGGCTGGA
GACACGGCCAGAACGGCAAGAGTGTCCAGTATGTAAGCTGGGATCAGCAGATAGAAGGT
TGTCCCCGCTTTATGGGCGAGGGAGCCAGAAGCCCCAGGATCCCAGATTAATAAATCCACC
CCGCCCCCAGGGCCAGAGACCGACTCCGGAGAGCAGAGGGGGATTCCAGCCATTTGGTGA
TACCGGGGGCTTCCACTTCTCATTGGTGTGGTGTCTTCCCTTTGGCTTTTCCACCAC
CGTCTTCAATGCCATGAGCCTTTCGCGGGGTACAGGTGTGGATCTGGGACAGGGTCA
CCCAGCTCCAGCTGGCAGGATTCCTCTTCTGTTTCTCGCCATCTTCTTTTTTTTGG
GCTGCTCAGTATTTGAGCTATGTCTGCTTCTGCCCACCTCCAGCCAGAGAAGAATCAGT
ATTGAGGGTCCCTGCTGACCTTCCGTAATCCTGACCCCTTGACCCCTCTATTTCTGT
TGGCTAATGCCAGCCCTGGACATTGTCCAGGAAGGCTGGGAGGATGAGTGAAGTCTGT
GCATAGATGGGAGAGCCTTCTGCTCAGAGGCTCACTCAGTAACGTTGTTAATTCTCTGC
CCTGGGGAAGGAGATGAGTGAAGAGATGTCTCTNCTCTCTAATCTTTGCTTCCCCG
ATTNCTGATTGATCTCAAGGTGGCAAAGTCCCTCTGACTCTTCCCCATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006913 unedited
CCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTATATTTACCTTTTTTATTGAATT
TGATTAAGGAGGTAGTGAGGGGGCGGAAGCACTTAAGAGTCAGAATCCATATTAGACT
CTGGGGAGTGAAAAATTAATTAATCAGTAAGATGGGGAGTGGGGGAAGAGTCAGAGGG
AACTTTGCCACCTTTGAAGATCAAATCAAGAAATCAGGGAAAGCAAGACTTAGGAGAG
GAGAAAGACATTCTCAATCCATCCTCTTCCCAGGGCAGAGAATTAACAACGTTAC
TGAGTGAGCCTCTGAGCAGAAGGCTCTCCCATCTATGCACAGACTTCACTCCTCTCCCC
AGGCCTTCTGGACAATGTCCAGGGCTGGCCTTAGCCAACAGAAATAGAGGGGTCAAGGG
GGTCCAGGAGTACGGAAGGGTCAGCAGGGACCTCAATACTGATTCTTCTGGCTGGAG
GTGGGCAGGAAGCAGACATAGCTCAAATACTGAGCAGCAAAAAAAGAAGATGGCGA
GAAACAGGAAGAGGAATCCTGCCAGCTGGAGGCTGGGTGACCCTGTCCAGATCCACAC
CTGTACCCCGCGGAAAGGCTCATGGGCATTGAAGACGGTGGTGAAGAGCAAGGGAA
AAGCACCACACCAATGAGAAGTGAAGCCCCGGTATCACCAGATGGTGAATCCCC
CTCTGCTCTCCGAGCTGGTCTCTGGCCCTGNNGGCGGGGTGGAGTTTTTAATCTGGGAT
CCTGGGCTTCTGGCTCCCTCGCCATAAGCGGGACACCTTCTCTGCTGATCCAGCTTA
CATACTGGACACTCTTTCGCTCTGGNCGTGTCTCCACCACTGTGAAGACATGGCCACAGT
TCAGGTGGCCCCACACTGACCACACTTCCGAGCGTCTCAACATTATTCATTCAAGGTC
CGCCCCCGCCGNTCGGAATTGGCCTTTGGGCCGCTCTTCTCTCTGCTGCTGAC

Restriction Sites:

NotI-NotI

ACCN:

NM_006913

Insert Size:

1160 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_006913.2, NP_008844.1</u>
RefSeq Size:	1179 bp
RefSeq ORF:	543 bp
Locus ID:	6048
UniProt ID:	<u>Q99942</u>
Cytogenetics:	6p21.32
Domains:	RING
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene contains a RING finger, which is a motif known to be involved in protein-protein interactions. This protein is a membrane-bound ubiquitin ligase. It can regulate cell motility by targeting paxillin ubiquitination and altering the distribution and localization of paxillin in cytoplasm and cell focal adhesions. [provided by RefSeq, Jul 2008]