

Product datasheet for **SC111428**

LONRF3 (NM_024778) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LONRF3 (NM_024778) Human Untagged Clone
Tag:	Tag Free
Symbol:	LONRF3
Synonyms:	RNF127
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_024778, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCAGTACGGATCGAACAGATGCTGAGCTTGCCCGCTGAGGTCAGCAGCGACAACCTGGAGTCGG
CGGAGCGAGGGGCATCAGCGGCCAAGTAGACATGGGCCCCACCCAAAGGTGGCTGCAGAGGGCCCCGC
ACCTCTACCGACGCGGGAGCCAGAGCAAGAGCAGTCTCCGGGGACCTCAACGCCGGAGAGCAAAGTCCTG
CTCACGCAGGCAGACGCCTTGGCGTCCCGGGGGGAATCCGTGAAGCCCTCGAGGTGTATAGACAGCTCT
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AGGCGAGGCGCTGGCGCCGGCGCCCCGGACGAGGGTAGCACTGCAAGCGGCACCCTGGCGGCGGAAGAG
ACGGGGGGCCGCCGGCTGCGCGGCCACCGAGGTGTGGGACGGCTTAAAGTGCCGGAATGTCATGGGT
TTCTATCAGACCCCGTGTCTTGTGTGTGCCACACCTTTTGTAACTGTGCCTGGAACGTGGCGGGC
CGCCGACCGCGCTGTGCGCTGTGCGGGTCAAGCTCTCCGCCTTGATGGTGCCACTGGCGGGCGCGT
GGAGCCCGGGGGCTGGCAGCAGCCGCCGCCCGCTGCGAGTCAACGTGGTGTCTAGCGGCTCTCTCG
GCAAGTTGTTTCCAGGCCAGCGGAGCGTCCAACTCCGGCACGAGGGCAACCGACTGTACCGGAGCG
CCAGGTGGAGGGCGCACTGCTCAAGTACAACGAGGCAGTTAAGTTGGCTCCAAATGACCCTTGCTTTAT
AGCAATCGGTCTCAGATTTATTTACCTTGGAGTCTCATGAGAATGCACTGCATGATGCAGAAAATAGCAT
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AGCCAGGGGAGATGGCAGCAGTCTGATGGACCCAGCTAAAGTGAAGGGGGATGGTCAGCAGCACCACATG
AAAGACCAGGAAGAAGAGGAGGAGAAGTGGGATGCTACCTCTCCAAAAGCTGCTCCAGCAAGACTGGAA
AATGCCAGGAAAAGAAAAGGAAACATTGCCAGATTGAATCCCAAGAAGAAACGGGGATGCCTAATAAAGC
CTCCAAGCAAGATCCTCCCACTGATCAGGGGGACAAACCTGCTCTCAGTTTACCCTTGCATCTTTCGAC
GCATCTGACCTTGAATGCGCTCTATGTATGAGATTATTCTATGAGCCAGTCACAACACCTTGGGGCATA
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CCAGAAGAACTGAAGGAACGAAGGAAGCTTTATGAAGAGGAAATGGAAGAAGCTTTCTAACCTTAATAAGA
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TTACCGCCTGATGATTTCGTAGATGCATTGAGACAGGCACGAGACAGTTTGGCATGTGCCTGGAGATCCT
GTCAAAGGGTTTGCAGAATATGGCTGCATCCTAGAGATCAGAAAATGTTCAATTCTTGTGATGGCCGCT
CAGTGGTTGACAGCATAGGCAAGAGGCGCTTCAGGGTGTCCATCAGAGCCAGCGGGATGGCTACAACAC
AGCCGACATTGAATACATTGAAGACCAAAGGTTCAAGGAGAGGATTGTGCTGAGCTCATGGGATTACAT
AACTGTGTCTATCAGCAAGCATATTGTGGTTTCAATTCGCTCAAATTATCCCTAAAGAATCGGATACTCA
ATCACTTTGGTCCATGCCGGAGAAAGACGCCGATCCTCAGATGAACCCGAATGGCCAGCCTGGTGCTG
GTGGATGTAGCAGTTCTTCCCTTGAAAAGCCGAGCTCAGCTCCCCTTCTAGCAATGAGGTCTTAAAG
GACAGACTGAATGGTATTCGACGAGTCTGGCCTTCATATCCCGAAACAAAACACTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024778 unedited
 TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGC
 ACGAGGCAACGCCGGAGAGCAAAGTCTGCTCACGCAGGCAGACGCCTTGGCGTCCCGGG
 GGCGAATCCGTGAAGCCCTCGAGGTGTATAGACAGCTCTCCGAGCGGCAGCAGCTGGTGG
 CTGAGCAGCTGGAGCAGCTGGTGCCTGCTGGCGGAGAAAGTCCCGCAAGGCGAGGCGC
 TGGCGCCGGCCCGCCCGGCTGCGGGCCACCGAGGTGTGGGACGGCTTAAAGTGCCGAAA
 CGGGGGGCCGCCCGCGCTGCGGGCCACCGAGGTGTGGGACGGCTTAAAGTGCCGAAA
 TGTTCATGGGTTTCTATCAGACCCCGTGTCTTGTCTGTGGCCACACCTTTTGTAAACTG
 TGCTTGAACGTGGGCGGCCCGACCGGCGCTGTGCGCTGTGCGGGTCAAGTCTCC
 GCCTTGATGGTGGCCACTGGGCGGGCGCTGGAGCCCGCGGGCTGGGACGAGCCGCCG
 CCGCCGCTGCGAGTCAACGTGGTGTCTCAGCGGCCTCCTCGGCAAGTTGTTTCCAGCCCA
 GCGCGAGCGTCCCAACTCCGGCACGAGGCAACCGACTGTACCGGAGCGCCAGGTGGAG
 GCGGCACTGCTCAAGACAACGAGGCAGTAAAGTGGCTCCAATGACCACTTGCTTTATAG
 CAATCGGTCTCAGATTTATCCACCTTGGAGTCTCATGAAAATGCACTGCATGATGCANA
 AATAGCCATGTAGCCTCCCCCGATGGGTNTTTAAGGGACATTTCAAAAAGCCCAAGC
 CTACCCCTTACGAGGTGGAGGAGCCTTAGGGAGTCTTCTCGGTGATCCCTTGT
 GGAAGAACCAAAAACAGAGTCCGACCCCAATAACATTTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024778 unedited
 GGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAACTTTTGAAATTTTAATG
 TAAAAATCAAATTATGTTTTTCTGGGCTCTTAACACCTCTGCTGTTTATGTAGTTATGC
 AGCATGTCAAGAAGCATCTTAAGACAGAAAGTTTCAAATAGGTACATTCTTTTGGTCTT
 TCTACTCAATTTCTCTGTGATCAACAGCAGGCTGATGCCTCTGTTTGACACCCCTTC
 TGTTAAGATATTATTGCAATTAGATATATTTACAAGAAGACTCCCCCGACGGCAGTGGG
 GAAGGTGGGAGCTCCTCTTCGGCAATCCACTACTAGTTTTGGTTTTGGGATATGAAGGC
 CAGGACTCGTCAATACCATTCAGTCTGTCTTTAAGGACCTCATTGCTAGGAAGGGGAG
 CTGAGCTCGGCTTTCAAAGGGAAGAACTGCTAACATCCACCAGCACCAGGCTGGGCCATT
 CGGGTTTCTGAGGATCGGCGTCTTTTCCGGCATGGGACCAAGTGATTGAGTATCCG
 ATCTTTAGGGATAATTTGAGCGAATGAAACACAATGATGCTTGGCTGATAGACACAGTT
 ATGTAATCCCATGAGCTCAGCAATCCTCTCCCTGAACCTTTTGGTCTTCAATGTATTC
 AATGTCGGCTGTGTTGTANCCATCCCGCTGCCTCTGATGGAGCACCTGAAGCGCCTCTT
 GCCTATGTGTCAACCACTGAGCCGCCATCAGCAAAAAGATTGAACATTTCTGATCTCTAG
 GATGCAGCCATATTTGCAAACCCTTTGACAGGATCTCCAAGCCCATGCCAACTGTCTCG
 TGCTTGGTTATGCCTCTACGATTCATCGGCGGTAACAGGCTCAAATATGGCCGGGGCC
 AAGGAACGGGAATGCCCTATCCCCACAAAAGCCCTCCTATTAGGTAAGGCTCCCT
 CCCTCTAAGCTCCTCCTTG

Restriction Sites:

NotI-NotI

ACCN:

NM_024778

Insert Size:

2520 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: [NM_024778.4](#), [NP_079054.3](#)

RefSeq Size: 2502 bp

RefSeq ORF: 2157 bp

Locus ID: 79836

UniProt ID: [Q496Y0](#)

Cytogenetics: Xq24

Domains: TPR, RING

Protein Families: Druggable Genome, Protease

Gene Summary: The protein encoded by this gene contains a 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. Multiple alternatively spliced transcript variants have been suggested, but their full length natures are not clear. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).