

Product datasheet for **RC221100**

LONRF3 (NM_024778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LONRF3 (NM_024778) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LONRF3
Synonyms:	RNF127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221100 representing NM_024778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTCAGTACGGATCGAACAGATGCTGAGCTTGCCCGCTGAGGTCAGCAGCGACAACCTGGAGTCGG
 CGGAGCGAGGGGCATCAGCGGCCCAAGTAGACATGGGCCCCACCCAAAGGTGGCTGCAGAGGGCCCGC
 ACCTCTACCGACGCGGGAGCCAGAGCAAGAGCAGTCTCCGGGGACCTCAACGCCGGAGAGCAAAGTCCTG
 CTCACGCAGGCAGACGCCTTGGCGTCCCGGGGGCGAATCCGTGAAGCCCTCGAGGTGTATAGACAGCTCT
 CCGAGCGGCAGCAGCTGGTGGCTGAGCAGCTGGAGCAGCTGGTGCCTGCTGGCGGAGAAAGTCCCGCA
 AGGCGAGGCGCTGGCGCCGGCGCCCGGACGAGGGTAGCACTGCAAGCGGCACCGTGGCGGCGGAAGAG
 ACGGGGGCCCGCGGCTGCGGCGGCCACCGAGGTGTGGACGGCTTAAAGTCCCGGAAATGTCATGGGT
 TTCTATCAGACCCCGTGTCTTGTGTGTGGCCACACCTTTTGTAACTGTGCCTGGAACGTGGCGGGC
 CGCCGACCGCGCTGTGCCTGTGCGGGTCAAGCTCTCCGCCTTGATGGTGGCCACTGGCGGGCGCT
 GGAGCCCGGGCGGCTGGGCAGCAGCCGCGCCGCGCTGCGAGTCAACGTGGTGCCTCAGCGGCCTCCTCG
 GCAAGTTGTTCCAGGCCAGCGCGAGCGTCCGCAACTCCGGCACGAGGGCAACCGACTGTACCGCGAGCG
 CCAGGTGGAGGGGCACTGCTCAAGTACAACGAGGCAGTTAAGTTGGCTCCAAATGACCATTGCTTTAT
 AGCAATCGGTCTCAGATTTATTTACCTTGGAGTCTCATGAGAATGCACTGCATGATGCAGAAATAGCAT
 GTAAGTCCCGCCGATGGGTTTTAAGGACAATCTGGAGTCCCACATTGTTCTAGTCAGGAGGAAGCAGC
 AGCCAGGGGAGATGGCAGCAGTCTGATGGACCCAGCTAAAGTGAAGGGGGATGGTCAGCAGCACCACATG
 AAAGACCAGGAAGAAGAGGAGGAGAAGTGGGATGCTACCTCTCCAAAAGCTGCTTCCAGCAAGACTGGAA
 AATGCCAGGAAAAGAAAAGGAAACATTGCCAGATTGAATCCCAAGAAGAAACGGGGATGCCTAATAAGC
 CTCCAAGCAAGATCCTCCCACTGATCAGGGGACAAACCTGCTCTCAGTTTACCCTTGATCTTTTCGAC
 GCATCTGACCTTGAATGCGCTCTATGTATGAGATTATTCTATGAGCCAGTCACAACACCTTGCGGGCATA
 CTTTTGCTTAAATGCCTAGAAAGATGCCTAGATCACAACGCAAAGTGTCCATTGTGCAAGACGGTCT
 TTCACAGTGTGGCATCAAGAAAATACAGCAAAAATGAATAATGGAGGAGCTCATAGCTAAATTCCTT
 CCAGAAGAACTGAAGGAACGAAGGAAGCTTTATGAAGAGGAAATGGAAGAACTTTCTAACCTTAATAAGA
 ATGTGCCTATTTTCGTGTACTATGGCCTATCCACCGTTTCTGTCCCCTGCACATCTTTGAGCCTTG
 TTACCGCCTGATGATTGATAGATGCATTGAGACAGGCACGAGACAGTTTGGCATGTGCCTGGAGATCCT
 GTCAAAGGGTTTGCAGAATATGGCTGCATCCTAGAGATCAGAAATGTTCAATTCTTGTGATGGCCGCT
 CAGTGGTTGACAGCATAGGCAAGAGGCGCTTACGGGTGCTCCATCAGAGCCAGCGGGATGGCTACAACAC
 AGCCGACATTGAATACATTGAAGACAAAAGGTTACGGGAGAGGATTGTGCTGAGCTCATGGGATTACAT
 AACTGTGTCTATCAGCAAGCATATTGTGGTTTCATTGCTCAAATTATCCCTAAAGAATCGGATACTCA
 ATCACTTTGGTCCCATGCCGGAGAAAGACGCCGATCCTCAGATGAACCCGAATGGCCAGCCTGGTGTG
 GTGGATGTTAGCAGTCTTCCCTTGAAAGCCGAGCTCAGCTCCCTTCTAGCAATGAGGTCTTAAAG
 GACAGACTGAATGGTATTCGACGAGTCTGGCCTTCATATCCCGAAACCAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221100 representing NM_024778
 Red=Cloning site Green=Tags(s)

MESVRIEQMLSLPAEVSSDNLESAERGASAAQVDMGPHPKVAAEGPAPLPTREPEQEQSPGTSTPESKVL
 LTQADALASRGRIREALEVYRQLSERQQLVAEQLEQLVRCLAEKVPOGEALAPAPPDEGSTASGTVAEE
 TGAATAAATEVWDGFKCRKCHGFLSDPVSLSCGHTFCKLCLERGRAADRRCALCGVKLSALMVATGRAR
 GARRAGQPPPLRVNVVLSGLLGKLPFPGPARASQLRHEGNRLYRERQVEAALLKYNEAVKLAPNDHLLY
 SNRSQIYFTLESHENALHDAEIAACKLRPMGFKNLELPHCSSQEAAARGDGSSLMDBAKVKGDDGQHHM
 KDQEEEEKWDATSPKAASSKTGKCQEKKRKHCQIESQEETGMPNKASKQDPPTDQGDQPALSLPLASFD
 ASDLECALCMRLFYEPVTTPCGHTFCLKCLERCLDHNACPLCKDGLSQCLASRKYSKNVIMEELIAKFL
 PEELKERRKLYEEEMEELSNLNKNVPIFVCTMAYPTVPCPLHIFEPYRLMIRRCIETGRQFGMCLGDP
 VKGFAEYGCILEIRNVQFFADGRSVVDSIGKRRFRVLHQSQRDGYNTADIEYIEDQKVQGEDCAELMGLH
 NCVYQQASLWFHSLKLSLKNRILNHFPMPEKDADPQMNPNGPAWCWMLAVLPLESRAQLPFLAMRSLK
 DRLNGIRRVLAFISRNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_024778

ORF Size: 2154 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024778.5](#)

RefSeq Size: 2502 bp

RefSeq ORF: 2157 bp

Locus ID: 79836

UniProt ID: [Q496Y0](#)

Cytogenetics: Xq24

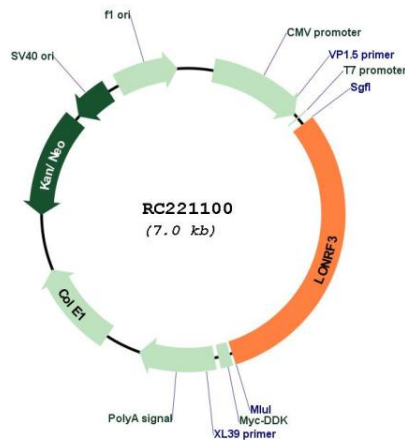
Domains: TPR, RING

Protein Families: Druggable Genome, Protease

MW: 79.6 kDa

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]

Product images:



Circular map for RC221100