

Product datasheet for **RC238597**

LONRF3 (NM_001289109) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LONRF3 (NM_001289109) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LONRF3
Synonyms:	RNF127
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238597 representing NM_001289109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTTTTAAGGCACATTTAGAAAAGCCCAAGCCTTAGCCACCCTAGGCAAGGTGGAGGAGGCACTAA
 GGGAGTTTCTCTACTGTGTATCCCTTGATGAAAAGAAACAAGAGCAAGATGTGAAGCCAAAGACTTCT
 CCTTAGTTTCTTTTACCATCAGTCCCAGGGGATTCTCAGGAACATTCTCCCGATATCCTGAAGCTGTTG
 GCACCTCACCTAGATTAAGGAAAACGTAGAGTCAATGACTACTGAAGTTACCAGCCATAATCTACCAA
 GGTTGTTACAGGACAATCTGGAGCTCCCACATTGTTCTAGTCAGGAGGAAGCAGCAGCCAGGGGAGATGG
 CAGCAGTCTGATGGACCCAGCTAAAGTGAAGGGGGATGGTCAGCAGCACCATGAAAGACCAGGAAGAA
 GAGGAGGAGAAGTGGATGCTACCTCTCCAAAAGCTGCTCCAGCAAGACTGGAAAATGCCAGGAAAAGA
 AAAGAAAACATTGCCAGATTGAATCCCAAGAAGAAACGGGGATGCCTAATAAGCCTCAAGCAAGATCC
 TCCCACTGATCAGGGGGACAACTGCTCTCAGTTTACCATTGCATCTTCGACGCATCTGACCTTGAA
 TGCCTCTATGTATGAGATTATTCTATGAGCCAGTCACAACACCTTGCGGCATACTTTTTGCTTAAAT
 GCCTAGAAAAGATGCCTAGATCACAAACGCAAGTGTCCATTGTGCAAGACGGTCTTTACAGTGGCTGGC
 ATCAAGAAAAACAGCAAAAATGTAATAATGGAGGAGCTCATAGCTAAATTCCTTCCAGAAGAACTGAAG
 GAACGAAGGAAGCTTTATGAAGAGGAAATGGAAGAAGCTTCTAACCTTAATAAGAATGTGCCTATTTTCG
 TGTGTACTATGGCCTATCCCACCGTTCCCTGTCCCCTGCACATCTTTGAGCCTGTTACCACCTGATGAT
 TCGTAGATGCATTGAGACAGGCACGAGACAGTTTGGCATGTGCCTGGAGATCCTGTCAAAGGGTTTGCA
 GAATATGGCTGCATCCTAGAGATCAGAAATGTTCAATCTTTGCTGATGGCCGCTCAGTGGTTGACAGCA
 TAGGCAAGAGCGCTTCAGGGTCTCCATCAGAGCCAGCGGGATGGCTACAACACAGCCGACATTAATA
 CATTGAAGACCAAAAGGTTCAAGGAGAGGATTGTGCTGAGCTCATGGGATTACATAACTGTGTCTATCAG
 CAAGCATCATTGTGGTTTCATTGCTCAAATTATCCCTAAAGAATCGGATACTCAATCACTTTGGTCCCA
 TGCCGGAGAAAGACGCCGATCCTCAGATGAACCCGAATGGCCAGCCTGGTGTGGTGGATGTTAGCAGT
 TCTTCCCTTGAAAGCCGAGCTCAGCTCCCCTTCTAGCAATGAGGTCCTAAAGGACAGACTGAATGGT
 ATTCGACGAGTCTGGCCTTCATATCCCGAAACCAAAAC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238597 representing NM_001289109
 Red=Cloning site Green=Tags(s)

MGFKAHFRKAQALATLGKVEEALREFLYCVSLDGKNKRARCEAQRLLLSFFSPSVPGDSQEHSPDILKLL
 APHPRLKENVESMTTEVTSHNLPRLQDNLELPHCSSQEEAAARGDGSSLMDPAKVKGDGQHHMKDQEE
 EEEKWDATSPKAASSKTGKCQEKKRKHCQIESQEETGMPNKASKQDPPTDQGDKPALSLPLASFDASDLE
 CALCMRLFYEPVTPCGHTFCLKCLERCLDHNACPLCKDGLSQCLASRKYSKNVIMEELIAKFLPEELK
 ERRKLYEEEMEELSNLNKNVPIFVCTMAYPTVPCPLHIFPCYRLMIRRCIETGTRQFGMCLGDPVKGFA
 EYGCILEIRNVQFFADGRSVVDSIGKRRFRVLHQSQRDGYNTADIEYIEDQKVQGEDCAELMGLHNCVYQ
 QASLWFHSLKLSLKNRILNHFMPPEKDADPQMNPNPAPWCWMLAVLPLESRAQLPFLAMRSLKDRLNG
 IRRVLAFISRQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

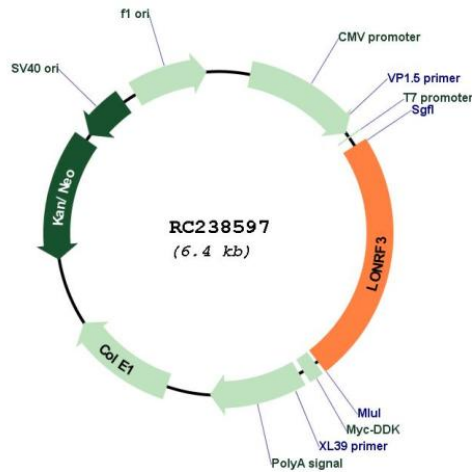
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001289109

ORF Size: 1509 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:	<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:	<u>NM_001289109.1</u> , <u>NP_001276038.1</u>
RefSeq Size:	2898 bp
RefSeq ORF:	1512 bp
Locus ID:	79836
Cytogenetics:	Xq24
Protein Families:	Druggable Genome, Protease
MW:	57.6 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]