

## Product datasheet for **RG214236**

### LONRF3 (NM\_001031855) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LONRF3 (NM_001031855) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LONRF3
Synonyms:	RNF127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG214236 representing NM\_001031855  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTCAGTACGGATCGAACAGATGCTGAGCTTGCCCGCCGAGGTCAGCAGCGACAACCTGGAGTCGG  
 CGGAGCGAGGGGCATCAGCGGCCCAAGTAGACATGGGCCCCACCCAAAGGTGGCTGCAGAGGGCCCGC  
 ACCTCTACCGACGCGGGAGCCAGAGCAAGAGCAGTCTCCGGGGACCTCAACGCCGGAGAGCAAAGTCCTG  
 CTCACGCAGGCAGACGCCTTGGCGTCCCGGGGGCGAATCCGTGAAGCCCTCGAGGTGTATAGACAGCTCT  
 CCGAGCGGCAGCAGCTGGTGGCTGAGCAGCTGGAGCAGCTGGTGCCTGCTGGCGGAGAAAGTCCCGCA  
 AGGCGAGGCGCTGGCGCCGGCGCCCGGACGAGGGTAGCACTGCAAGCGGCACCGTGGCGGCGGAAGAG  
 ACGGGGGCCCGCGGCTGCGGCGGCCACCGAGGTGTGGACGGCTTAAAGTCCCGAAAATGTCATGGGT  
 TTCTATCAGACCCCGTGTCTTGTGTGTGGCCACACCTTTTGTAACTGTGCCTGGAACGTGGCGGGC  
 CGCCGACCGCGCTGTGCGCTGTGCGGGTCAAGCTCTCCGCCTTGATGGTGGCCACTGGCGGGCGCGT  
 GGAGCCCGGGCGGCTGGGCAGCAGCCGCGCCGCGCTGCGAGTCAACGTGGTGCCTCAGCGGCCTCCTCG  
 GCAAGTTGTTCCAGGCCAGCGCGAGCGTCCGCAACTCCGGCACGAGGGCAACCGACTGTACCGCGAGCG  
 CCAGGTGGAGGGGCACTGCTCAAGTACAACGAGGCAGTTAAGTTGGCTCCAAATGACCATTGCTTTAT  
 AGCAATCGGTCTCAGATTTATTTACCTTGGAGTCTCATGAGAATGCACTGCATGATGCAGAAATAGCAT  
 GTAAGTCCGCGCGATGGGTTTTAAGGCACATTTAGAAAAGCCCAAGCCTTAGCCACCCTAGGCAAGGT  
 GGAGGAGCACAAGGGAGTTTCTACTGTGTATCCCTTGATGGAAAGAACAAGAGAGCAAGATGTGAA  
 GCCCAAAGAGACAATCTGGAGCTCCACATTGTCTAGTCAGGAGGAAGCAGCAGCCAGGGGAGATGGCA  
 GCAGTCTGATGGACCCAGCTAAAGTGAAGGGGGATGGTCAAGCAGCACACATGAAAGACCAGGAAGA  
 GGAGGAGAAGTGGGATGCTACCTCTCCAAAAGCTGCTTCCAGCAAGACTGAAAAATGCCAGAAAAAGAAA  
 AGGAAACATTGCCAGATTGAATCCCAAGAAGAAACGGGGATGCCTAATAAAGCCTCCAAGCAAGATCCTC  
 CCACTGATCAGGGGGACAAACCTGCTCTCAGTTTACCCTTGCATCTTTTCGACGCATCTGACCTTGAATG  
 CGCTCTATGTATGAGATTATTCTATGAGCCAGTCAACACCTTGGCGGCATACTTTTTGCTTAAATGC  
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 CAAGAAAATACAGCAAAAATGTAATAATGGAGGAGCTCATAGCTAAATTCCTTCCAGAAGAACTGAAGGA  
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 GTAGATGCATTGAGACAGGCACGAGACAGTTTGGCATGTGCCTTGGAGATCCTGTCAAAGGGTTTGCAGA  
 ATATGGCTGCATCCTAGAGATCAGAAATGTTCAATTCCTTGTGTATGGCCGCTCAGTGGTTGACAGCATA  
 GGCAAGAGGGCGTTCAGGGTGTCCATCAGAGCCAGCGGGATGGCTACAACACAGCCGACATTGAATACA  
 TTGAAGACCAAAGGTTCCAGGGAGGATTGTGCTGAGCTCATGGGATTACATAACTGTGTCTATCAGCA  
 AGCATCATTGTGGTTTCATTGCTCAAATATCCCTAAAGAATCGGATACTCAATCACTTTGGTCCCATG  
 CCGGAGAAAGACCGCGATCCTCAGATGAACCCGAATGGCCAGCCTGGTGTGGTGGATGTTAGCAGTTC  
 TTCCCTTGGAAAGCCGAGCTCAGCTCCCCTTCTAGCAATGAGGTCTTAAAGGACAGACTGAATGGTAT  
 TCGACGAGTCTGGCCTTCATATCCCGAAACCAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG214236 representing NM\_001031855  
Red=Cloning site Green=Tags(s)

```
MESVRIEQMLSLPAEVSSDNLESAERGASAAQVDMGPHPKVAAEGPAPLPTREPEQEQSPGTSTPESKVL
LTQADALASRGRIREALEVYRQLSERQQLVAEQLEQLVRCLAEKVPOGEALAPAPPDEGSTASGTVAEE
TGAAAAAATEVWDGFKCRKCHGFLSDPVSLSCGHTFCKLCLERGRAADRRCALCGVKLSALMVATGRAR
GARRAGQQPPPLRVNVVL SGLLGKLFPGPARASQLRHEGNRLYRERQVEAALLKYNEAVKLAPNDHLLY
SNRSQIYFTLESHENALHDAEIAACKLRPMGFKAHFRKAQALATLGKVEEALREFLYCVSLDGKNKRARCE
AQRDNLLELPHCSSQEEAAARGDGSLSMDPAKVKGDGQQHMHMKDQEEEEKWDATSPKAASSKTGKCQEKK
RKHCQIESQEETGMPNKASKQDPPTDQGDKPALSLPLASFDAADLECALCMLFYEPVTTPCGHTFCLKC
LERCLDHNACPLCKDGLSQCLASRKYSKNVIMEELIAKFLPEELKERRKLYEEEMEELSNLKNVPIFV
CTMAYPTVPCPLHIFEPYRLMIRRCIETGTRQFGMCLGDPVKGFAEYGCILEIRNVQFLADGRSVVDSI
GKRRFVRLHQSQRDGYNTADIEYIEDQKVQGEDCAELMGLHNCVYQOASLWFHSLKLSLKNRILNHFPM
PEKDADPQMNPNGPAWCWWMLAVLPLESRAQLPFLAMRSLKDRLNGIRRVLAFISRNQ
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001031855

**ORF Size:** 2277 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\\_001031855.1](#), [NP\\_001027026.1](#)

**RefSeq Size:** 2625 bp

**RefSeq ORF:** 2280 bp

**Locus ID:** 79836

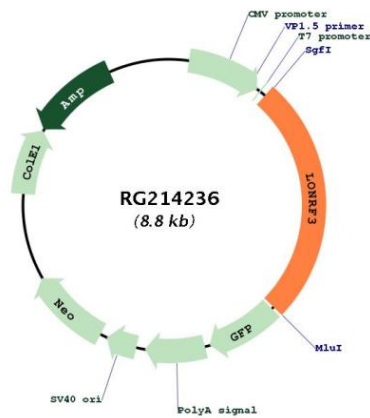
**UniProt ID:** [Q496Y0](#)

**Cytogenetics:** Xq24

**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]

**Product images:**



Circular map for RG214236