

Product datasheet for **RR213915**

Lgi3 (NM_001107277) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgi3 (NM_001107277) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lgi3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213915 representing NM_001107277
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCGTACGAGCCAGGCGGGGCCCTATGTGCCGGCTACTGGTGTGTCCACGTTGGGTTTTTACC
 TAATGCTGCAAGCCAGTGCCAAGAGGCCTCCTAAGACGCCCCCTGCCACCCAGCTGCTCCTGCACCAG
 GGATACAGCCTTCTGCGTGGACTCTAAGTCGGTGCCCAAGAACCTGCCTCAGAGGTCATCTCCCTGACA
 CTGGTGAATGCTGCCTTCTCAGAGATCCAGGACGGAGCCTTCTCCACCTGCCACTGTTGCAGTTCTTGT
 TACTCAACTCCAACAAGTTCACGCTGATTGGAGACAACGCCTTCACAGGACTGTCGCACCTGCAGTACCT
 CTTCATAGAAAACATGATATCTGGGGTCTCTCCAAGTTTACCTTCAGAGGATTGAAGTCCTTGACACAC
 CTCTCTCTGGCCAACAATAACCTCCAGACACTGCCAGAGACATCTTTCGTCCTCCCTGGACATCTTGAGTG
 ACTTGACCTCCGGGCAACGCCTTAAGTGTGACTGCAAGGTAAAGTGCTGGTGGAGTGGCTGGCACA
 CACCAACACCACAGTGGCCCCATCTACTGTGCCAGCCGCCCGCTTCAGGAGCACAAGGTGCAGGAC
 TTGCCTCTTCGGGAATTCGACTGTATCACCAGTATTTTGTCTCTACCAGACTCTGTCTTCCAGCAG
 TGTCTGCAGAACCCTTCCTTTACTCCAGTGACCTCTATTTGGCTCTGGCCAGCCTGGTGCCAGCGCCTG
 CACCATCCTCAAGTGGGACTATGTGGAACGACAGCTTCGTGACTATGATAGAATTCAGCCCCCTCAGCT
 GTGCACTGCAAGCCAATGGTGGTGGATGGCCAGCTCTATGTAGTCGTGGCCAGCTGTTCCGTGGCTCAT
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 CAAACCAATGACCTGGAAGCTTTCGCATCGATGGTGGTCTTCGCGGTGGCTGACAGTTCCAAA
 GCAGGTGCCACGACCTACCGTTGGCACCAGAATGGCTTCTATTCCCACAGGCCCTGCACGCTGGC
 ACCGCGCACTGACCTGGAGTTTGTGGATGGTGAGGGCAAGCCACGGTTGATTGTGTCTAGCAGTTCTCA
 GGCACCTGTCTATCTAATGGAGTCGTACTCAGAAACAGTTTGTGGCTCAGGGAGAGGTGACTCAGGTG
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 ACTGGCCCTACAGCCCTTCTGGTGGGCGGTACCGCTACCTGGCACTGGGCAGTGACTTCTCTTACC
 CAGATCTACCAGTGGGATGAGGGGCGACAGAAATTTGTACGGTTCCAAGAACTGGCAGTACAGGCCCTC
 GGGCCTTCTGCTACATGCCTGCTGGAGATGCCAGCTGCTCTGGCCCCAGTTTCAAGGGACAAACACT
 GGTTTACCGACATGTTGGTGGACCTTAGTGCC

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

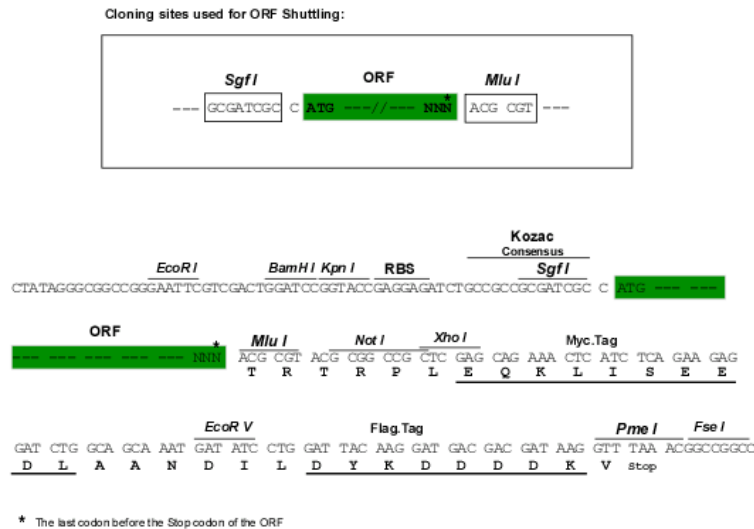
>RR213915 representing NM_001107277
 Red=Cloning site Green=Tags(s)

MARLRARRGPMCRLLVLSTLGFYLMQASAKRPPKTPPCPPSCSCTRDTAFVDSKSVKPNLPSEVISLT
 LVNAAFSEIQDGAFLPLQLLLNSNKFTLIGDNAFTGLSHLQYLFIEENNDIWGLSKFTFRGLKSLTH
 LSLANNLQTLPRDIFRPLDILSDLRLGNALNCCKVKWLVEWLAHTNTTVAPIYCASPPRFQEHKQVD
 LPLREFDCITTDVFLYQTLSPFAVSAEPFLYSSDLYLALAQPGASACTILKWDYVERQLRDYDRIPAPSA
 VHCKPMVVDGQLYVVVAQLFGGSYIYHWPNTTRFTKLQDIDPQVRKPNLEAFRIDGDWFFAVADSSK
 AGATSLYRWHQNGFYSHQALHAWHRDTEFVDGEGKPRILVSSSSQAPVIYQWSRTQKQFVAQGEVTQV
 PDAQAVKHFRAGRDSYLCLSRYIGDSKILRWEGTRFSEVQALPSRGSALQPFLVGGHRYLALGSDFSFT
 QIYQWDEGRQKFVRFQELAVQAPRAFCYMPAGDAQLLAPSFKGQTLVYRHVVVDLSA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001107277

ORF Size: 1644 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_001107277.1](#), [NP_001100747.1](#)

RefSeq Size: 3319 bp

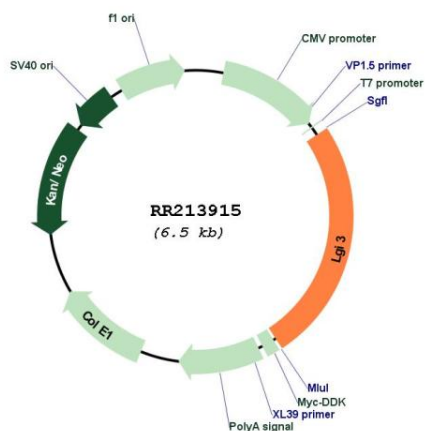
RefSeq ORF: 1647 bp

Locus ID: 306013

Cytogenetics: 15p11

MW: 62 kDa

Product images:



Circular map for RR213915