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Product datasheet for MR218450

Lonrf3 (NM_028894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lonrf3 (NM_028894) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lonrf3
Synonyms:	4932412G04Rik; 5730439E01Rik; A830039N02Rik; AU023707; Rnf127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR218450 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCCCTTCAGACCGCACAGATGGTGAGCTTGTCCGCCGAGCTCGGCAGCAACAACTTGGAGCTGG
CGGAGCCGGAGGAGCCGGGGACATCAGCGGCCGCAGGGCAGTCAGCCGCCCACCCGGAGGAGGTGACACC
CGAGGGCTCCCAAGCTCTCGGGGCTCAAGAGCCCGAGCAAAGCCTGCCTCTGGCGGTCCCGACACCGCTG
GAGTGCAAAGTCCTGCTCACGCAGGCGGATGCCTTGGCATCTGAGGGGCACCTTCGGGAAGCCCTCGAGG
TGTACCGACAGCTCTCCGAGAGGCAGCAGCTCGTAGCGGAGCAGCTGGAGCAGCTAGTGCGCTGCTTGGC
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AAAGAGGCAGGGGAGGCCGCGGCCGTGGCCCCCGAGGTATGGGATGGCTTTAAGTGCAAGAAGTGTCACG
GGTTTCTCTCAGACCCGGTGTCCCTGTGGTGCGGCCACACCTTTTGTAAACTGTGCCTGGAGCGCGGGCG
AGCCGCCGATCGGCGCTGCGCTCTGTGCGGGGTCAAGCTCTCCGCTCTGATGGCGGCCAGTGGGAGGGCA
CGCGGGCCGCGGCGCGCGGGGCAGCCGGCGCCCCTGCAACTGCGAGTTAACGTGGTACTCAGCGGCCTCC
TGGGCAAGTTGTTCCCGGGCCCCGCGCGGGCGTCGCAACTCCGGCACGAGGGCAACCGGCTGTTCCGCGA
GCACCAGGTGGAGGCAGCTCTGCTCAAGTACAACGAGGCTGTTCGTCTAGCTCCAAACGACCATTTGCTT
TATAGCAATCGGTCCCAAATTTATTTCACCTTGGAGTCTCATGAGGATGCACTGCATGATGCAGAAATAG
CATGTAAACTACGGCCAATGGGTTTTAAGGCACACTTCAGAAAAGCACAAGCTTTAGCCACTCTAGGCAA
GGTGAAAGAAGCACTCAAAGAATTTCTCTACTGCGTATCCCTTGATGGAAAGAACAAGAGCGCCAGATCT
GAAGCTCAAAGGGAGAATCTGGAGCTTCCCCATTGTTCTAATCAGGAGGGAGCAGCAGCTGCAGAAGAGA
GCAGCAGCCTAGCAAATTCCGCTCAAGGAAAGGTGAGTAGTAAAGAAGACAGAAAGAAAGATCAGGAAGG
AGAGGACCGGGATGCTGCCTCCGTCAGGACCGGCAAATGCCAGGAAAAGAAGAGAAATCGTTGCCAAATC
GAAACCCAAGAAGACACAGAATTGCCTAATAAAGTCTCCAAACAAGATTTTCCTGCTGAGCAGGGAGCCA
AACCAGATCTCAGTAATCCACTTGGATCCTTTGATGCATCTGACCTTGAATGCTCACTGTGTATGAGATT
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CATAATGCAAAGTGTCCACTGTGCAAAGACGTTCTTTTACAGTGCTTGCCATCAAGAAAATATAGCAAAA
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AGAGGAAATGGAAGAGCTTTCTAACTTAAATAAGAATGTCCCTATTTTCGTGTGCACCATGGCCTATCCC
ACCGTTCCTTGTCCCTTGCACATCTTTGAGCCTTGTTACCGCCTGATGATTCGGAGATGTATTGAGACAG
GCACAAGACAGTTTGGCATGTGCCTTGGAGATCCTGTCAAAGGGTTTGTAGAATATGGCTGCATCTTAGA
GATCAGAAATGTCCAATTCTTTTCTGATGGCCGATCGGTGGTAGACAGCATAGGCAAGAGGCGCTTCAAA
GTGCTCCATCAGGGTCAACGGGATGGCTACAACACTGCTGACATTGAATACATTGAAGATCAAAAGGTTC
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CTCGCTCAAAGCATCTCTGAAGAATCGGATACTAAATCACTTTGGTCCAATGCCAGAGAAGGACGAAGAC
CCCCAGGTTAATCCGAATGGTCCAGCCTGGTGCTGGTGGACACTGGCGGTTCTTCCTCTGGAAAGCAGAG
CTCAGCTTCCCTTCCTAGCAATGAGGTCCTTAAAGGACAGATTGAATGGTATTCGGCGTATCCTGGCCTT
TATATCGAGAAACCAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

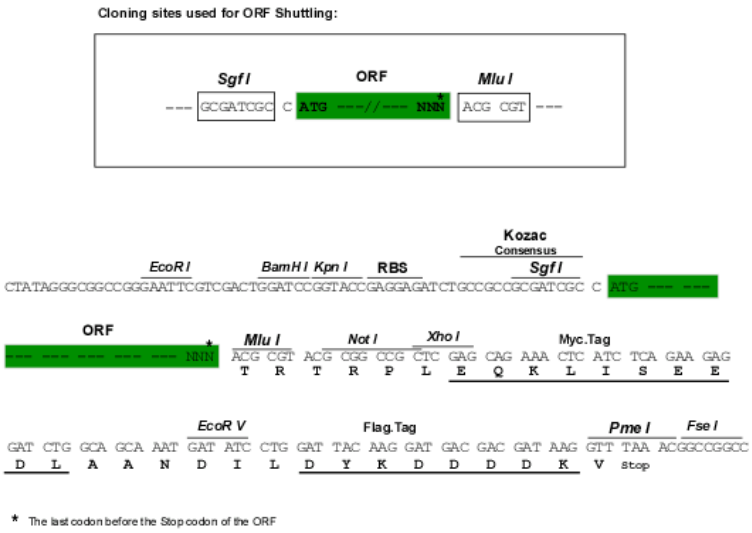
>MR218450 protein sequence
Red=Cloning site Green=Tags(s)

MDSLQTAQMVSLSAELGSNNLELAEPEEPGTSAAAGQSAAHPEEVTPEGSQALGAQEPEQSLPLAVPTPL
ECKVLLTQADALASEGHLREALEVYRQLSERQQLVAEQLEQLVRCLADSVPQEELASDSSGTSSCCAAAL
KEAGEAAAVAPEVWDGFKCKKCHGFLSDPVSLWCGHTFCKLCLERGRAADRRCALCGVKLSALMAASGRA
RGPRRAGQPAPLQLRVNVVLSGLLGKLFPGPARASQLRHEGNRLFREHQVEAALLKYNEAVRLAPNDHLL
YSNRSQIYFTLESHEDALHDAEIACKLRPMGFKAHFRKAQALATLGKVKEALKEFLYCVSLDGKNKSARS
EAQRENLELPHCSNQEGAAAAEESSSLANSAQGKVSSKEDRKKDQEGEDRDAASVRTGKCQEKKRNRCQI
ETQEDTELPNKVSKQDFPAEQGAKPDLSNPLGSFDASDLECSLCMRLFYEPVTTPCGHTFCLKCLERCLD
HNAKCPLCKDVLLQCLPSRKYSKNVILEELIATFLPEEFKERKRLYEEEMEELSNLNKNVPIFVCTMAYP
TVPCPLHIFEPCYRLMIRRCIETGTRQFGMCLGDPVKGFVEYGCILEIRNVQFFSDGRSVVDSIGKRRFK
VLHQGQRDGYNTADIEYIEDQKVQGDDCAELMGLHNCVYEQASSWFHSLKASLKNRILNHFGPMPEKDED
PQVNPNGPAWCWWTLAVLPLESRAQLPFLAMRSLKDRLNGIRRILAFISRNQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028894

ORF Size: 2262 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_028894.1, NP_083170.1

RefSeq Size: 7392 bp

RefSeq ORF: 2262 bp

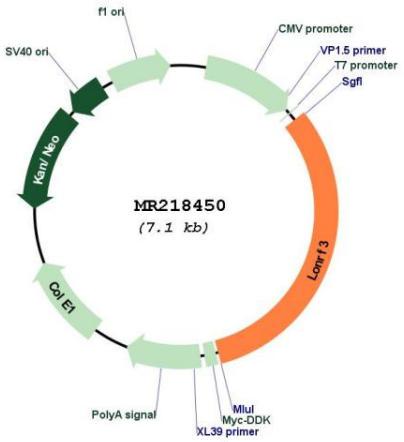
Locus ID: 74365

UniProt ID: Q9D4H7

Cytogenetics: X A3.3

MW: 83.7 kDa

Product images:



Circular map for MR218450