

Product datasheet for **MR222049**

Lrrc14b (NM_001033042) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Lrrc14b
Synonyms:	AI595366
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR222049 representing NM_001033042
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGTCGCTTCGTTTCATTTCTGCTGAAGCGTTAGTGTCCCACTCCCAGCTGGTCCAGGAGAACCTGG
 ACAATATAGCCTACAACCTCTACCCACTTCTGTTCAAGGCCAGTTACCTGCTAGAGCAGGCAGATGTAAC
 CCGTGTCTCTGCTGAGTCACTGGCCACTGGAGGAGTTCCGGCTGGCTGTGCTACTGAGGCCAAACACTGAC
 CACCTGAAGACCTGCGTGATCGTGCCTGCAAGGCCTGCCTGGAGGCCTGTATGCAGGGCATAGCTGACC
 ATGTGCTGAAAAGTGGGAGCAACCGCCTTCGGGTAGCTGATTTACCGGCATCCAGGACGTACAGGTGCA
 GCAATGTCCTTGTGGGAGGGCACTAGGAAGGTGGGGCGGTACCAAGGTGCTGGCCAGGACCTGCTGCCAG
 CTCCAAGGACAGCCCTGTTAGCTGGGCACCCATTGAAGTCTTTGCTGACCTCTTTGTACAGAAGGCA
 ACTTTGACATGGTGGTGCAGGCCCTGAAGCCATTAGGCCAGCACCTCTGCAGGTCTGTTGCCCTTCACT
 CCGGGCAGACAGCTGAGCCCTGGGCAGCTCTACAAGTCTTGGCCTGGCTGGGCCAGGCAACCTTAGA
 AAGTTGGAGGTAGTACACAATGCCGCTGCATGCTGGCCATGTGCAGCAGCTGCTGACCCAGGTGGGCT
 TCCCTCAGCTGACCTCACTCACCTTGGCCACCAAGGCCTTCGATGCTCCCCAACTTGTGCCCCAGATCC
 AGAGGGCGAGGATCTTCTCTTACCTCTATTGCCTGGGAGCTCAGCCAGATGAACGAGCTCACTGAGCTA
 AGTGTGGCTTTCTCTACACTCACTGGGAAGATCCAAACATTGCTTAGCCCTTGAAGACCCCACTAAGAG
 TGTGGACCTAGCCAAGTGTGCCCTTAATCATGAAGACATATCCTTCTTAGCAGACTGTAACCACTGCTG
 CCACTTGGAGGTGCTGGACCTCAGTGGACACAACCTGGTACACCTGTACCCTTCTACCTTCTCAGGCTG
 CTGAGCCAGGCTGCCAAACACTGAGAGTGTCAACCTCGAGGAGTGAACATCACAGACAGCCATGTTA
 ACATGATGATTCTGGGCTTAGCCCTTGCAGCCAGCTCCAGCAGTTCAAGTTTCTTGGAAACCCGCTCTC
 AGGCAGTGTCTCCGGCGCCTTTTTGCTGCACTCTGCGAACTCCCTAGGCTTCGCCATATTGAGTTCCTCA
 GTACCAAGGAGTGTACCCCGAGGGTGCATCTACCCTCAGGATGAACTGTCAAGTGTCAAATTCGACC
 AACAGAAATACGACGTATTGCAGAGGATCTCGAGCAGTACTGCTTCGAGTAACCGGGAGGACATCCA
 GGTCTCCACCCCACTTTTTGGAAGTTTGTATCCAGACATTCATGAACCAAGCAATGAACCTTGGTACTTTT
 TTGCTGCAAGCTTTCAAACTGCTTTGAAAACTTTTCAGAGCACTAGAACAAATGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222049 representing NM_001033042
 Red=Cloning site Green=Tags(s)

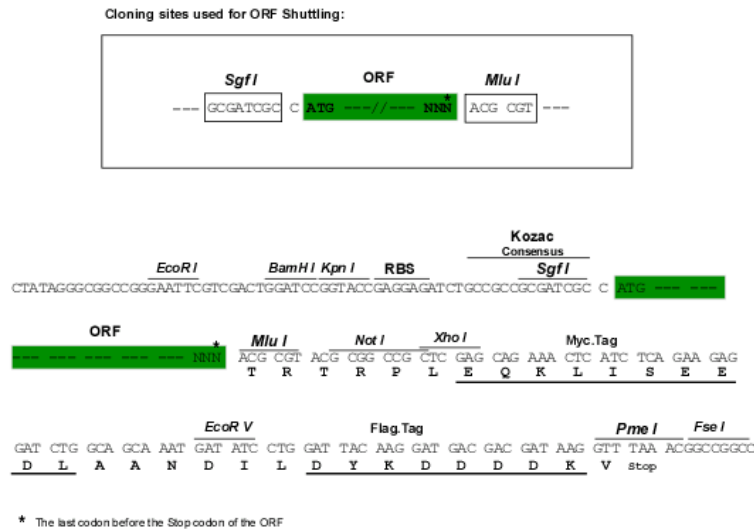
MRSRLRFISAEALVSHSQLVQENLDNIAYNLYPLLFKASYLLEQADVTRALLSHWPLEEFRLAVLLRPNTD
 HPEDLRDRACKACLEACMQGIADHVLKSGSNRLRVADF TGIQDVQVQQPCGRALGRWGRKVLARTCCQ
 LQGQPCSAHPIEVFADLFVTEGNFDMVVQALKPLGPAPLQVCCPSLRADSLSPGQLLQVLGLAGPGLNR
 KLEVHVHNRHLHAGHVQQLLTQVGFPQLTSLTLPTKAFDAPPTCAPDPEGEDLLLSIAWELSQMNLTEL
 SVAFTLTGKIQTLLSPLKTPRLVLDLANCALNHEDISFLADCNHTAHLEVLDL SGHNLVHLYPSTFFRL
 LSQAQTLRLVLTLEECNITDSHVNMILGLSPCSQLQQFKFLGNPLSGSALRRLFAALCELPRLRHIEFP
 VPKDCYPEGAIYPQDELSVSKFDQKYDVIAEDLRVLLRANREDIQVSTPLFGSFDPIHETSNELGTF
 LLQAFKTALENFSRALEQME

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9086_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033042

ORF Size: 1530 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:

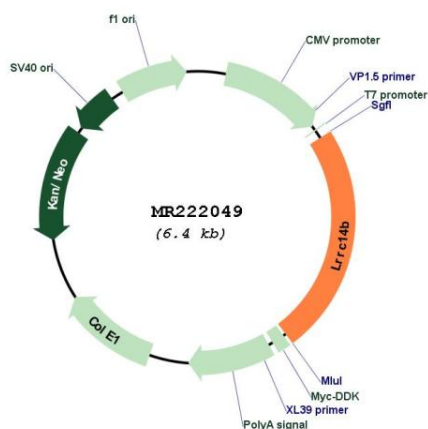
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001033042.3](#), [NP_001028214.1](#)

RefSeq Size: 2746 bp
RefSeq ORF: 1533 bp
Locus ID: 432779
UniProt ID: [Q3UJB3](#)
Cytogenetics: 13 C1
MW: 56.5 kDa

Product images:



Circular map for MR222049