

Product datasheet for **MR209921**

Lrrc45 (NM_153545) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc45 (NM_153545) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc45
Synonyms:	BC023296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR209921 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGAGTTCCGGCGCTCCTACAACCGCTCTGCGAGGAGAGTGGGGCTGAGCCCCAGGAGGCTGTTCTG
 TGAGCAACTGCACGAGCTTCCGAAGGGCGGACTGGACCTGACTACTCAGAGCCTGACGGTGGAGACCTG
 CAGGGCCCTCGGCAAGCTGCTGCATAAGGAGACGCTGTTGAAGGAGCTTGTCTCAGCGACTGCATGCTG
 AGTGAAGAAGGGTCCACACTGCTGTTCCAAGGGCTGTGTGCCAACACCAAGTGTGCAGCATCTGGATCTAA
 AGGGCAACAACCTCCGAGCTACAGGAGCTGAGGCTCTGGGAAAGCTCCTTCGACAGAACAAGTCTATTCA
 GAGCCTCAGCTGGAGTGAACAACCTTGGCACGTGGGAAGATGCCTTTGCCACCTTCTGTGGGGTCTG
 GCAGCCAATAGTCCCTGCGGCAGCTGGACCTCCGAAACAACAGATCAGTCACAAGGGAGCAGAGGAAC
 TGGCCCTGGCCCTGAAGGGCAACACCACCCTCCAACAGCTGGACCTGCGCTGGAATAACATTGGCCTCCT
 GGGGGGCGGGCTCTGGTGAAGTGTCTCCCGAGCAACAGAACCCTGTGGAAGCTGGACCTGGCTGGGAAC
 AACATCCCTGGTGACATCCTGAGAGCCGTGGAGCAAGCCATGGACCACAACAGGACCGACTCACTGCCT
 TTCGGGAGAACCAAGCACGCACCAAGATCCTTAGCAAGGAAGTTCAACACCTCCAGGAGGAGAAGTCCAA
 GCAGTTTCTGGATTTGATGGAGACAATAGACAAGCAACGAGAAGAGATGGCCAGAGATAGCCGGGCATCA
 GCAGTACGGGTTGGGAGCTTCAGGAAGCCCTCAACGAGAGGCAGTCCATCATCAATGCTCTCAAAGCCA
 AACTGCAGATGACAGAGGCTGCTCTGGCTCTGTGACAACAGAAGTCCGGGACCTGGGGAACTGCTGGT
 CGCCGGAGACCAGGAACGGCAGAGCCTGTCCAAAGACATGAGAAGGAACGCAAGCTGGAGCGGCAGGAA
 GCTGCAGATCGGGAGTCCAAGTTACTCAGGGACCTGTCTGCTGCCAACGAAAAGAACCTGCTGCTTAGAA
 GCCAGGTGGATGAGTTGGAGCGGAAGGCGAGGTCACAGCAGGAGCAGCTGTTTCTGACCAAGCAGGAGCT
 GACTAACACGTCGGCCGAGTTGAAGATCCGTGCTATTGAGGCTGAGGAGCGCTTGGATGTGGAGAAGAGG
 AGAGCCAAACAGAACATGGAAGACTTGGAAGAGTACACTCCAAGGAGGTGGATCATATGACTCGTCACC
 TGGAGGAGAGTGAGAGGGCCATGCAGGAGAGGGTTGAGAGCTCGAGGCCCTGCGGCTGTCTCTGGAGGA
 GGAGCTGAGCCGATGAAGGCCGAGTGTCTGAGCAGCGTGGCCAAGCTGAGGAGGAGCTCATCAAAGCC
 AGGAACCAGGCCCGCTTGGAGGAGCAACACCGCCTTGCTCATCTGGAGGAAAAGATCCGGCTGTTGGCAC
 AGGCAAGGGACGAGGCTCAGGGCACCTGCGTGCAGCAGAAGCAGATGGTAGCCAGTCCCAGGCACGGGT
 CAGCCAGCTGAACCTGCAGATGGAGGGCAGCAGCGCGTCTGGAGGAGCTGCAACAGGAGCTGATCAAC
 AAAGACCAAGAAAAAGTGGCCGAAGTGGCCAGGGTCAGAGTAGAGCTGCAGGAACAGATGGGCCGTATGC
 AGGCTGACCTGGTGGCCAGGAGCGCTGAGAGAGAAGGTGGCAGCCCTGGAGCGTCAAATGAAAGTGAT
 CGGGAGTGAACACCGGGAGGCGCTGTTGGACAGAGAGTGAGAACGCATCTCTCCGAGAGAAGTGCAGG
 CTCAAAGAGGCAGAAATCTCCGTATCCGGGACGAAGAGGCCAGAGGGCAAGCTTCTGCAAAACGCTG
 TCTTGGCTTACGTGCAGGGTCCCTCTGAGAGCCTTGAGTCCCCCTAAA

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 ACAAGGATGACGACGATAAGGTTTAA

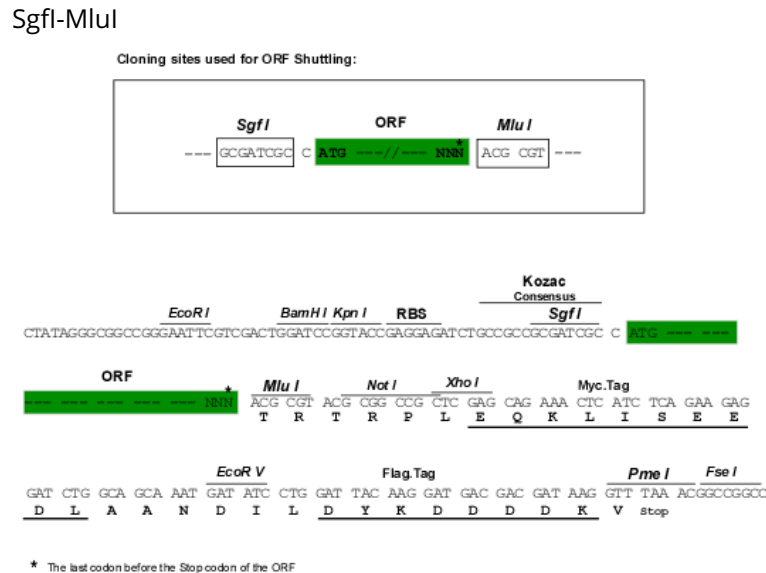
Protein Sequence: >MR209921 protein sequence
 Red=Cloning site Green=Tags(s)

MEEFRSYNRLCEESGAEPQEA VLQQLHQLPKGGDLTTQSLTVETCRALGKLLHKETLLKELVLSDCML
 SEEGSTLLFQGLCANTSVQHLDLKGNNLRATGAELGKLLRQNKSIQSLTLEWNNLTGWEDAFATFCGGL
 AANSALRQLDLRNNQISHKGAEELALALKGNTTLQQLDLRWNNIGLLGGRALVNCLPSNRTLWKLDLAGN
 NIPGDILRAVEQAMDHNQDRLTAFRENQARTKILSKEVQHLQEEKSKQFLDLMETIDKQREEMARDSRAS
 AVRVGQLQEALNERQSIINALKAKLQMTEAALALSEQKVRDLGELLVAGDQERQSLQRHEKERKLERQE
 AADRESKLLRDLAAANEKNLLRSQVDELERKARSQQEQFLFTKQELTNTSAELKIRAIQAEERLDVEKR
 RAKQNMEDLEKLHSKEVDHMRHLEESERAMQERVQRLEALRLSLEEELSRMKAAYLSERGQAEELIKA
 RNQARLEEQHRLAHLEEKIRLLAQARDEAQGTCVQKQMVASQARVSQLNLQMEGQQRRLLEELQQELIN
 KDQEKVAEVARVRVLEQEQMGRMQADLVAQEALREKVAALERQMKVIGSEHREALLDRESENASLREKLR
 LKEAEISRIRDEEAQRASFLQNAVLAAYVQGSPLRALSPPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



ACCN: NM_153545

ORF Size: 2010 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_153545.1](#), [NP_705773.1](#)

RefSeq Size: 2476 bp

RefSeq ORF: 2013 bp

Locus ID: 217366

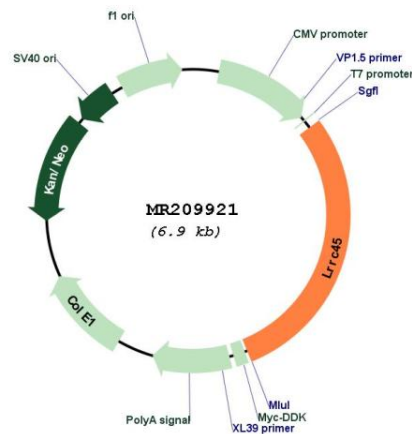
UniProt ID: [Q8CIM1](#)

Cytogenetics: 11 E2

MW: 76.4 kDa

Gene Summary: Component of the proteinaceous fiber-like linker between two centrioles, required for centrosome cohesion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209921