

Product datasheet for **MG209921**

Lrrc45 (NM_153545) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc45 (NM_153545) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc45
Synonyms:	BC023296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG209921 representing NM_153545
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGAGTTCCGGCGCTCCTACAACCGCTCTGCGAGGAGAGTGGGGCTGAGCCCCAGGAGGCTGTTCTG
 TGCACTCACTGCACCAAGCTTCCGAAGGGCGGACTGGACCTGACTACTCAGAGCCTGACGGTGGAGACCTG
 CAGGGCCCTCGGCAAGCTGCTGCATAAGGAGACGCTGTTGAAGGAGCTTGTCTCAGCGACTGCATGCTG
 AGTGAAGAAGGGTCCACACTGCTGTTCCAAGGGCTGTGTGCCAACACCAAGTGTGCAGCATCTGGATCTAA
 AGGGCAACAACCTCCGAGCTACAGGAGCTGAGGCTCTGGGAAAGCTCCTTCGACAGAACAAGTCTATTCA
 GAGCCTCAGCTGGAGTGAACAACCTTGGCACGTGGGAAGATGCCTTTGCCACCTTCTGTGGGGTCTG
 GCAGCCAATAGTCCCTGCGGCAGCTGGACCTCCGAAACAACAGATCAGTCACAAGGGAGCAGAGGAAC
 TGGCCCTGGCCCTGAAGGGCAACACCACCCTCCAACAGCTGGACCTGCGCTGGAATAACATTGGCCTCCT
 GGGGGGCGGGCTCTGGTGAAGTGTCTCCCGAGCAACAGAACCCTGTGGAAGCTGGACCTGGCTGGGAAC
 AACATCCCTGGTGACATCCTGAGAGCCGTGGAGCAAGCCATGGACCACAACAGGACCGACTCACTGCCT
 TTCGGGAGAACCAAGCACGACCAAGATCCTTAGCAAGGAAGTTCAACACCTCCAGGAGGAGAAGTCCAA
 GCAGTTTCTGGATTTGATGGAGACAATAGACAAGCAACGAGAAGAGATGGCCAGAGATAGCCGGGCATCA
 GCAGTACGGGTTGGGAGCTTCCAGGAAGCCCTCAACGAGAGGAGTCCATCATCAATGCTCTCAAAGCCA
 AACTGCAGATGACAGAGGCTGCTCTGGCTCTGTGACAACAGAAGTCCGGGACCTGGGGAACTGCTGGT
 CGCCGGAGACCAGGAACGGCAGAGCCTGTCCAAAGACATGAGAAGGAACGCAAGCTGGAGCGGCAGGAA
 GCTGCAGATCGGGAGTCCAAGTTACTCAGGGACCTGTCTGCTGCCAACGAAAAGAACCTGCTGCTTAGAA
 GCCAGGTGGATGAGTTGGAGCGGAAGGCGAGGTCACAGCAGGAGCAGCTGTTTCTGACCAAGCAGGAGCT
 GACTAACACGTCGCGCCGAGTTGAAGATCCGTGCTATTGAGGCTGAGGAGCGCTTGGATGTGGAGAAGAGG
 AGAGCCAAACAGAACATGGAAGACTTGGAAAAGCTACACTCCAAGGAGGTGGATCATATGACTCGTCACC
 TGGAGGAGAGTGAGAGGGCCATGCAGGAGAGGGTTCAGAGACTCGAGGCCCTGCGGCTGTCTCTGGAGGA
 GGAGCTGAGCCGATGAAGGCCGAGTGTCTCAGCGAGCGTGGCCAAGCTGAGGAGGAGCTCATCAAAGCC
 AGGAACCAGGCCCGCTTGGAGGAGCAACACCGCCTTGCTCATCTGGAGGAAAAGATCCGGCTGTTGGCAC
 AGGCAAGGGACGAGGCTCAGGGCACCTGCGTGCAGCAGAAGCAGATGGTAGCCAGTCCCAGGCACGGGT
 CAGCCAGCTGAACCTGCAGATGGAGGGCAGCAGCGCGTCTGGAGGAGCTGCAACAGGAGCTGATCAAC
 AAAGACCAAGAAAAAGTGGCCGAAGTGGCCAGGGTCAAGTAGAGCTGCAGGAACAGATGGGCCGTATGC
 AGGCTGACCTGGTGGCCAGGAGCGCTGAGAGAGAAGGTGGCAGCCCTGGAGCGTCAAATGAAAGTGAT
 CGGGAGTGAACACCGGGAGGCGCTGTTGGACAGAGAGTGAGAACGCATCTCTCCGAGAGAAGTGCAGG
 CTCAAAGAGGCAGAAATCTCCGTATCCGGGACGAAGAGGCCAGAGGGCAAGCTTCTGCAAAACGCTG
 TCTTGGCTTACGTGCAGGGTCCCTCTGAGAGCCTTGAGTCCCCCTAA

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209921 representing NM_153545
 Red=Cloning site Green=Tags(s)

MEEFRRSYNRLCEESGAEPQEAVLQQLHQLPKGGDLTTQSLTVETCRALGKLLHKETLLKELVLSDCML
 SEEGSTLLFQGLCANTSVQHLDLKGNNLRATGAELGKLLRQNKSIQSLTLEWNNLGTWEDAFATFCGGL
 AANSALRQLDLRNNQISHKGAEELALALKGNTTLQQLDLRWNNIGLLGGRALVNCLPSNRTLWKLDLAGN
 NIPGDILRAVEQAMDHNQDRLTAFRENQARTKILSKEVQHLQEEKSKQFLDLMETIDKQREEMARDSRAS
 AVRVGQLQEALNERQSIINALKAKLQMTAAALALSEQKVRDLGELLVAGDQERQSLQRHEKERKLERQE
 AADRESKLLRDLAAANEKNLLRSQVDELERKARSQQEQFLTKQELTNTSAELKIRAIQAEERLDVEKR
 RAKQNMEDLEKLHSKEVDHMRHLEESERAMQERVQRLEALRLSLEEELSRMKAAYLSEGRQAEELIKA
 RNQARLEEQHRLAHLEEKIRLLAQARDEAQGTCVQKQMVASQARVSQLNLQMEGQQRRLLEELQQELIN
 KDQEKVAEVARVRVLEQEQMGRQADLVAQEALREKVAALERQMKVIGSEHREALLDRESENASLREKLRL
 LKEAEISRIRDEEAQRASFLQNAVLAAYVQGSPLRALSPPK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

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: 2528 bp

RefSeq ORF: 2013 bp

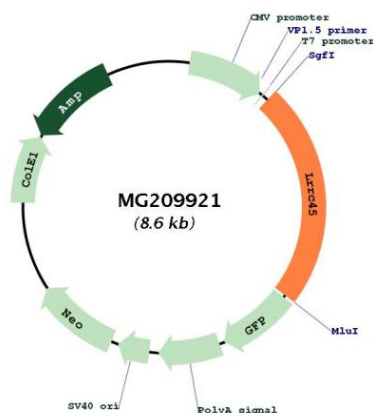
Locus ID: 217366

UniProt ID: [Q8CIM1](#)

Cytogenetics: 11 E2

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 MG209921