

## Product datasheet for **MR209754**

### Lmbrd2 (BC095971) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbrd2 (BC095971) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmbrd2
Synonyms:	9930036E21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209754 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGTGGTGGCGCTTTAGGACTTGAGATTGTTTTGTCTTTTTCTGGCATTGTTCTCTGCATCGCT  
 ATGGAGACTTTAAGAAACAGCACAGACTGGTAATCATCGGCACACTGCTTGCTTGGTATCTCTGCTTTCT  
 CATTGTCTTCATACTGCCGCTGGATGTCAGTACGACAATATAACCGATGCAGGCATGCTGCTGCAAAAT  
 TCCAGCCCTCCTGAAAATACCAACGTTACGGGACTGGATGCATCTGCTACTCCAGCTCCAAGACAGCATC  
 CATGTTTCAAGCCGTGGAGTTACATTCCAGATGGAATCATGCCAATTTCTGGAGGGTAGTTTATTGGAC  
 ATCACAGTTTTTGACGTGGATCCTGTTACCTTTTATGCAGTCATATGCAAGATCTGGAGGTTTCTCCATC  
 ACCGGCAAGATCAAAACAGCCCTGATTGAGAATGCCATCTATTACGGCACTTACTTGCTGATTTGGAG  
 CATTTCTGATTTACGTAGCTGTAACCCACGTTTGCATTTAGAATGGAACCAACTCAGACGATTGGGAT  
 AGCTGCTGCCAACACATGGGGTCTGTTTCTCCTTGTTATTATTGGGGTATGGATTGGTGGAAATTCCT  
 CGGTCATACTGGAATGGAGCCAAAAGGGTTATCTTCTTATGAAGACTTACTTTAAGGCAGCCAAAATGA  
 TGACAGAGAAGGCAGATGCAGAAGAGAATTTGGAGGATGTAATGGAGGAGTTTCGTAAGTAAATGAGAG  
 CATCAAGTACAACCACCCACTGAGGAAGTGTGTAGACACAATACTTAAAAAGTGCCCTACAGATTATCAG  
 GAAAAGATGGGTAGGAATATGGATGACTATGAAGATTTTACGAAAAGCGCAATACCTACCCAAGTGAAA  
 AAAGTTTGGTAAAATTGCATAAACAGGTGATTTATTAGTTCAAAGGCACCGTCGGACTCAAGTGAATG  
 GCAGATTTCTTTGGAACAGGCATTTCTATCTAGAAGATGTAGCAAAAAATGAAACTAGCGCAACTCACCAG  
 TTTGTTACACCTTTTCAAGTACCTGAGCCAGAAAATCGATTTATCCAATATTTTATAATCCTACTGTTG  
 TATTCATACAGCTGGCAGAAAAGAACATAACAATTTATTTGAGATTGCTTGCTTCTTTCCATCTT  
 CTCTTAAGCATCTGTGTTTACTCTACTGTGTTTCAGGATCCGCGTGTAACTACTACTACCTGGCCTCA  
 CACCATCAGACCGATGCTTATAGCCTTCTGTTCAAGTGGCATGTTATTTTGCCGTTTGACTCCTCTTTAT  
 GTCTTAACTTCTTGGGATTGACCCATATGGATTCCATCTCCCACCAGAATACCCAGCCAAGTGCATA  
 TACATCTATCATGGGTTCCATGAAAGTTTTATCCTTTATTGCAGATGGATTCTATATATATTATCTATG  
 TTGGTAGTAATCTCTGCATCGCTACGTATTTAGTTTGGGCACCCGTTGTTGAATCTGCTTGGTTTCC  
 AGCAGTTCATGGGAGATAATGATATGACATCAGATCTAGTTGATGAAGGAAAAGAATTAATCAGACGAGA  
 GAAAAGAAAAAGGCAAAGACAAGAGGAAGGTGAAAATAGAAGAAGAGAGTGGAAAGAAGCATTATGGACAC  
 AACAGAGAGGATTCCACTCGGAACAGAAACGTCCATCCTGACCCCAAAGAGTCAAATTTCTCAGACACGA  
 CTACCAACTGGTCATCCAATACACCAGGGCTAATAACAGGACTGAAAGAGACCGAATAGAACTTCTCCA  
 GGATGCTGAGCCTCTGGATTTTAAATGCAGAAACGTTTACGGATGAATCTCTGGAACCTGAGTCAGGAAGG  
 TATCAACCTGGTGGGCGATATCTCTCCATGCTTCCAGTATAATATTTGAAGATATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209754 protein sequence  
Red=Cloning site Green=Tags(s)

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MSGAALGLEIVFVFFLALFLLHRYGDFKKQHRLVIIGTLLAWYLCFLIVFILPLDVSTTIYNRCRHAAN
SSPPENTNVTGLDASVTPAPRQHPKFPWSYIPDGIMPIFWRVVYWTSQFLTWILLPFMQSYARSGGFSI
TGKIKTALIENAIYYGTYLLIFGAFLIYVAVNPRHLLEWNQLQTIGIAAANTWGLFLLVLLGYGLVEIP
RSYWNGAKRGYLLMKTYFKAAKLMTEKADAEENLEDVMEEVRKVNESIKYNHPLRKCVDITLKKCPTDYQ
EKMGRNMDDYEDFDEKRNTYPSEKSLVKLHKQVIYSVQRHRRRTQVQWQILLEQAFYLEDVAKNETSATHQ
FVHTFQSPENRFIQFYFNPTVVFIIQLAERTYNYIYIEIACFLSIFFLSICVYSTVFRIRVFNYYLAS
HHQTDAYSLLFSGMLFCRLTPPLCLNFLGLTHMDSISHQNTQPTAYTSMGSMKVLFSFIADGFYIYPPM
LVVILCIATYFSLGTRCLNLLGFQQFMGDNMTSDLVDEGKELIRREKRKRQRQEEGENRRREWERYGH
NREDSTRNRNVHPDPKESNFSDTTNWSKYTRANRTERDRIELLQDAEPLDFNAETFTDESLEPESGR
YQPGGRYLSMSSSIIFEDI
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** BC095971

**ORF Size:** 1947 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:** [BC095971](#), [AAH95971](#)

**RefSeq Size:** 3235 bp

**RefSeq ORF:** 1949 bp

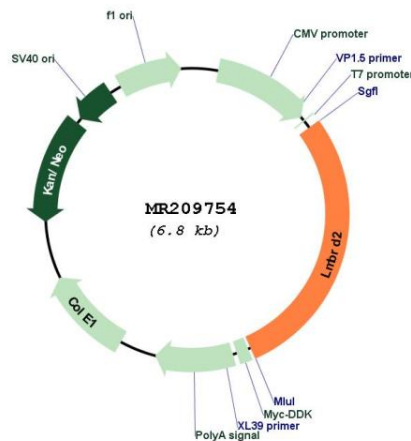
**Locus ID:** 320506

**Cytogenetics:** 15 A1

**MW:** 75.7 kDa

**Gene Summary:** Recruited to ligand-activated beta-2 adrenergic receptor/ADRB2, it negatively regulates the adrenergic receptor signaling pathway. May also regulate other G-protein coupled receptors including type-1 angiotensin II receptor/AGTR1.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209754