

Product datasheet for **MC220548**

Lmbrd2 (NM_177178) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbrd2 (NM_177178) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lmbrd2
Synonyms:	9930036E21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220548 representing NM_177178
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGGTGGCGCTTTAGGACTTGAGATTGTTTTGTCTTTTTCTGGCATTGTTCTCTGCATCGCT
 ATGGAGACTTTAAGAAACAGCACAGACTGGTAATCATCGGCACACTGCTTGCTTGGTATCTCTGCTTTCT
 CATTGTCTTCATACTGCCGCTGGATGTCAGTACGACAATATAAACCAGTGCAGGCATGCTGCTGCAAA
 TCCAGCCCTCCTGAAAATACCAACGTTACGGGACTGGATGCATCTGCTACTCCAGCTCCAAGACAGCATC
 CATGTTTCAAGCCGTGGAGTTACATTCCAGATGGAATCATGCCAATTTTCTGGAGGGTAGTTTATTGGAC
 ATCACAGTTTTTGACGTGGATCCTGTTACCTTTTATGCAGTCATATGCAAGATCTGGAGGTTTCTCCATC
 ACCGGCAAGATCAAAACAGCCCTGATTGAGAATGCCATCTATTACGGCACTTACTTGCTGATTTGGAG
 CATTTCTGATTTACGTAGCTGTAACCCACGTTTGCATTTAGAATGGAACCAACTCAGACGATTGGGAT
 AGCTGCTGCCAACACATGGGGTCTGTTTCTCCTTGTTATTATTGGGGTATGGATTGGTGGAAATTCCT
 CGGTCATACTGGAATGGAGCCAAAAGGGGTTATCTTCTTATGAAGACTTACTTTAAGGCAGCCAAAATGA
 TGACAGAGAAGGCAGATGCAGAAGAGAATTTGGAGGATGTAATGGAGGAGTTTCGTAAGTAAATGAGAG
 CATCAAGTACAACCACCCACTGAGGAAGTGTGTAGACACAATACTTAAAAAGTGCCTACAGATTATCAG
 GAAAAGATGGGTAGGAATATGGATGACTATGAAGATTTTACGAAAAGCGCAATACCTACCCAAGTGAAA
 AAAGTTTGGTAAAATGCATAAACAGGTGATTTATTCAAGTCAAAGGCACCGTCGGACTCAAGTGAATG
 GCAGATTTCTTTGGAACAGGCATTTCTATCTAGAAGATGTAGCAAAAAATGAAACTAGCGCAACTCACCAG
 TTTGTTACACCTTTTCAGTCACCTGAGCCAGAAAATCGATTTATCCAATATTTTATAATCTACTGTTG
 AGTGGTACTGGGAATGCCTTTTGGTCCATGGTTTACAGGACCCTTGCTGTGGTTTTGTCTATCTTCTC
 TGTGATTGTTGTGGTCAGAGTGTACCTTCTTTCAGCACAACCTCTGCTTATCCCTTTTGCAGTATTC
 ATACAGCTGGCAGAAAAGACATAACAATTACATTTATATTGAGATTGCTTGCTTCTCTTCCATCTTCTCT
 TAAGCATCTGTGTTACTCTACTGTGTTCCAGGATCCGCGTGTAACTACTACTCTGACCTCACACCA
 TCAGACCGATGCTTATAGCCTTCTGTTCCAGTGGCATGTTATTTGCGGTTTGACTCCTCTTTATGTCTT
 AACTTCTGGGATTGACCCATATGGATTCATCCATCTCCACCAGAATACCCAGCCAAGTGCATATACAT
 CTATCATGGGTTCCATGAAAGTTTTATCCTTTATTGCAGATGGATTCTATATATATTATCCTATGTTGGT
 AGTAATCTCTGCATCGTACGTATTTAGTTTGGGCACCGTGTGTTGAATCTGCTTGGTTCCAGCAG
 TTCATGGGAGATAATGATATGACATCAGATCTAGTTGATGAAGGAAAAGAATTAATCAGACGAGAGAAAA
 GAAAAAGGCAAAGACAAGAGGAAGGTGAAAATAGAAGAAGAGAGTGGAAAAGAACGTTATGGACACAACAG
 AGAGGATTCACCTCGGAACAGAAACGTCATCCTGACCCCAAAGAGTCAAATTTCTCAGACACGACTACC
 AACTGGTCATCCAAATACACCAGGGCTAATAACAGGACTGAAAGAGACCGAATAGAACTTCTCCAGGATG
 CTGAGCCTCTGGATTTTAAATGCAGAAACGTTTACGGATGAATCTCTGGAACCTGAGTCAGGAAGGTATCA
 ACCTGGTGGGCGATATCTCTCCATGTCTCCAGTATAATTTGAAGATATCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177178
- Insert Size:** 2085 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_177178.3](#), [NP_796152.2](#)

RefSeq Size: 3046 bp

RefSeq ORF: 2085 bp

Locus ID: 320506

UniProt ID: [Q8C561](#)

Cytogenetics: 15 A1

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]