

Product datasheet for **RN203965**

Lmbrd1 (NM_139189) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbrd1 (NM_139189) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lmbrd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203965 representing NM_139189
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGGCTGCCGATCTGGTGATCGGCTGGTGCATCTTCGGCCTCTTGCTCCTGGCTATTTTGG
 CCTTTTGTCTGGGTATACGTTTCGTAATACCAGAGCCAACGGGAAAGTGAGGTCGTCCTCACTGTGACAGC
 CATTTTTTCACTGGCTGTCGCGCTTATCACATCAGCGCTCCTGCCAGTGGATATATTTTTGGTTTCTTAC
 ATGAAAAATCAAATGGCACATTCAAGGACTGGGCTAATGCCAATGCTACTGTACAGATTGAGAACACAG
 TTCTGTATGGCTACTATACTCTGTACTCCGTCATCCTGTTCTGTGTGTTCTTCTGGATCCCTTTGTCTA
 CTTCTACTATGAGGAGAAGGACGACGACGACACCAGCAAGTGCACCCAAGTTAAAACGGCGCTCAAGTAC
 AACTGGGATTTGTTGTGATCTGCGCGCTGCTGCTCCTGTTGGTGCCTTTGTGCCGCTGAATCTGCCCA
 ACAACAACAATTCTACGGAGTGGGAAAAGGTGAAGCTCCTGTTTGAAGATCTCGGAACTGGTCAAGTCT
 GGCCGCGCTGTCCTTCTCCATCAGCTCTCTGACCTTGATTGGGATGCTGGCGGCCATAACATACACAGCG
 TATGGCATGTCGGCATTACCTTTAAACCTGATAAAAGGCACTAGGAGCACTGCCTACGAACGCTGGAGA
 AACTGAGGACATCGAGGAGGTGGAGCAGCACATCCAGACGATTGATCAAAAGAGCAAAGATGGCCGACC
 TTTGTCCGCGAGGGATAGACGTACCTTAAAGCAATGTGAAGAAAGATTAAAGAACCTTAGGAAAAGAGAA
 CGGCACCTAGAATTCATTGAAAACAGCTGGTGGACAAAATTCGTGGTGCCTGCGCCCCCTGAAGATTA
 TTTGGGAATATTTTTCATCCTGGTTGCATTGCTGTTTGAATTTCTCTTCTCTGTCAAATTTAGATAA
 AGCTCTTCACTCAGCGGGAATAGATTCGGGTTTCATCGCTTTTGGAACTAACCTGAGCAATCCATTGAAC
 ATGCTTTTGCCTTTGTTACAAACCGTGTCCCTCTTGATTATATCTTATAACAATTTATTATTGTACT
 TTATTTTACTTCGATGGCAGGAATTCGAAATATTGGCATTGGTTCTTTTGGATTAGACTATATAAAAT
 CAGAAGAGGACGAACCAGGCTCAGGCGCTCTTATTTCTCTGCATGATTCTTCTGCTGATTGTCCTCCAC
 ACCAGCTACATGATCTATAGTCTTGTCTCCTCAGTACGTGATGTACGGAAGCCAGAATTAATAAGAGA
 GCAATATAACTTCTGATGCCATAAAGGCAACTCAACGCTTGTGTGCCAAAGAGATGTGATGCAGATGC
 CCCAAAAGATCAGTGTACTGTCACCCGAACATACGTATTCTCCACAAGTTCTGGTTCTTACGCGCCGCA
 TACTACTTTGGTAACTGGGCCTTTCTGGTGGTGTCTTGTGATCGGATTGATTGTATCCTGCTGTAAGGGA
 AGAAGTCAGTCATAGAAGGAGTGGATGAAGATTCAGACTTAAGCGATGACGAACCGTCCGCTACTCTGC
 ATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_139189

Insert Size: 1614 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_139189.2](#), [NP_631928.2](#)

RefSeq Size: 2576 bp

RefSeq ORF: 1614 bp

Locus ID: 246046

UniProt ID: [Q6AZ61](#)

Cytogenetics: 9q21

Gene Summary: Probable lysosomal cobalamin transporter. Required to export cobalamin from lysosomes allowing its conversion to cofactors (By similarity).[UniProtKB/Swiss-Prot Function]