

Product datasheet for **MR208313**

Lmbrd1 (NM_026719) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbrd1 (NM_026719) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmbrd1
Synonyms:	0910001K20Rik; AV347960
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208313 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGGCGGCGGCCGAGCTGGTGCATCGGCTGGTGCATCTTCGGCCTCTTGCTCCTGGCTATTTTGG
 CCTTTTGTGGTCTACGTTTCGGAAGTACCAGAGTCAGCGGAAAGTGAGGTCGTCTCCACTGTGACAGC
 CATTTTTTCACTGGCTGTTGCTCTGATCACATCAGCACTGCTGCCGGTGGATATATTTTTGGTTTCTTAC
 ATGAAAAATCAAATGGCACATTCAGGACTGGGCTGACGCCAATGTCACCGTACAGATTGAGAATACCG
 TTCTGTATGGCTACTATACTCTGTATTCTGTCTCTCTGTGTGTTCTCTGGATCCCGTTTGTGTA
 CTTCTACTACGAAGAGAAGGATGAGGACGACGCCAGCAAATGCACCCAAATTAACGGCGCTCAAGTAC
 ACTTTGGGATTTGTTGTGATCTGCGCTCTGCTGCTTCGTTGGTGCCTTTGTGCCTCTGCATCTGCCCA
 ACAACAACAACCAACAGAGTGGGAAAAGGTGAAGCTCCTGTTTGAAGACCTTGGAACTGGTCAAGGCCT
 GGCAGCTCTGCTCTTTCCATCAGCTCTCTGACCTTGATTGGGATGCTGGCGGCCATAACCTACACAGCG
 TACGGCATGTCCGATTACCTTTAAACCTAATCAAAGGCACTAGAAGCACTGCCTACGAGCGCCTGGAGA
 ACACGGAGGACATCGAGGAAGTGGAGCAGCACATTCAGACGATTCGATCCAAGAGCAAAGATGGTCGACC
 TTTGCCAGCGAGGGATAGACGTGCCTTAAAGCAATGTGAAGAAAGACTAAGAACGCTTAGGAAAAGAGAG
 CGGCACCTTGAATTCATTGAAAACAGCTGGTGGACGAAATTTTGGTGCCTGCGCCCCCTGAAGATCA
 TTTGGGAATATTTTTTATCCTCGTTGCGTTGCTGTTTGAATTTCTCTTCTCTGTCAAATTTGGATAA
 AGCTCTTCATTCAGCAGGAATAGATTCCGGTTTTCATCATCTTCGGAACAACTGAGCAATCCACTGAAC
 ATGCTTTTCCGTTGTTACAAACAGTGTCCCTCTGATTACATCTTATAACAATATTATTATGTACT
 TTATTTTTACTTCGATGGCAGGAATTCGAAACATTGGCATTGGTTCTTTTGGATTAGGTTATATAAAAT
 CAGAAGAGGGCGAACCAGGCTCAGGCACTCTTATTTCTCTGCATGATCCTCCTGCTCATTGTCCTTCAT
 ACCAGCTACATGATCTACAGTCTCGCGCTCAGTACGTGATGTACGGAAGCCAGAATTACTTAATAGAGA
 GCAATATAACTTCTGATGCCATAAAGGCAATCAACCCTCGCTGTGCCAAAAAGATGTGACGCAGATGC
 CCCTAAAGATCAGTGTACTGTTACCCGAACATACATTTTCTCCACAAGTTCTGGTTCTTCACTGCTGCA
 TACTATTTTGGTAACTGGGCCTTTCTCGTGGTGTCTTGTATCGGATTAATTGTATCCTGCTGTAAGGGA
 AGAAGTCAGTCATAGAAGGAGTGGATGAAGATTCGGACTTAAGTATGATGATGAGCCGCTGCCTACTCTGC
 G

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208313 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAAAELVIGWCFGLLLLAILAFCWVYVRKYQSQRSEVSTVTAIFSLAVALITSALLPVDIFLVSY
 MKNQNGTFKDWADANVTQIENVTLYGYYTLYSVILFCVFFWIPFVYFYEEKDEDDASKCTQIKTALKY
 TLGFVVICALLLLVGAFVPLHLPNNNNSTEWKVKLLFEDLGTGQGLAALSFSISSLTLIGMLAAITYTA
 YGMSALPLNLKIGTRSTAYERLENTEDEIEVEQHIQTIRSKSKDGRPLPARDRRALKQCEERLRTLKRKRE
 RHLEFIENSWWTKFCGALRPLKIIWGIFFILVALLFVLSLFLSNLDKALHSAGIDSGFIIFGTNLSNPLN
 MLLPLLQTVFPLDYILITIIIMYFIFTSMAGIRNIGIWWFWIRLYKIRRGTRPQALLFLCMILLLIVLH
 TSYMIYSLAPQYVYGSQNYLIESNITSDAHKGNSTLAVPKRCDADAPKQCTVTRTYIFLHKFWFFSAA
 YYFGNWAFLVVFLIGLIVSCCKGKKSVEGVDESDLSDDDEPSAYSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_026719

ORF Size: 1614 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.

RefSeq: [NM_026719.2](#), [NP_080995.2](#)

RefSeq Size: 5422 bp

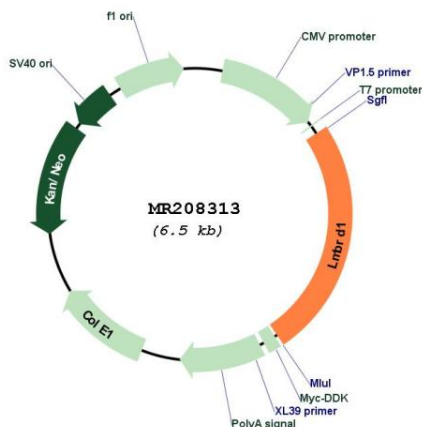
RefSeq ORF: 1614 bp

Locus ID: 68421

UniProt ID: [Q8K0B2](#)

Cytogenetics: 1 A5
MW: 61.1 kDa
Gene Summary: Probable lysosomal cobalamin transporter. Required to export cobalamin from lysosomes allowing its conversion to cofactors (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208313