

Product datasheet for **MR207473**

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:

>MR207473 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAATCAAATGGCACATTCAAGGACTGGGCTGACGCCAATGTCACCGTACAGATTGAGAATACCG
 TTCTGTATGGCTACTATACTCTGTATTCTGTCTCTCTGTGTGTTCTTCTGGATCCCGTTTGTGTA
 CTTCTACTACGAAGAGAAGGATGAGGACGACGCCAGCAAATGCACCCAAATTAACCGCCGCTCAAGTAC
 ACTTTGGGATTTGTTGTGATCTGCGCTCTGCTGCTTCTCGTTGGTGCCTTTGTGCCTCTGCATCTGCCCA
 ACAACAACAACCAACAGAGTGGGAAAAGTGAAGCTCCTGTTTGAAGACCTTGGAACTGGTCAAGGCCCT
 GGCAGCTCTGTCTTTCCATCAGCTCTCTGACCTTGATTGGGATGCTGGCGGCCATAACCTACACAGCG
 TACGGCATGTCCGATTACCTTTAAACCTAATCAAAGGCACTAGAAGCACTGCCTACGAGCGCTGGAGA
 ACACGGAGGACATCGAGGAAGTGGAGCAGCACATTAGACGATTGATCCAAGAGCAAAGATGGTCGACC
 TTTGCCAGCGAGGATAGACGTGCTTAAAGCAATGTGAAGAAAGACTAAGAACGCTTAGGAAAAGAGAG
 CGGCACCTTGAATTCATTGAAAACAGCTGGTGGACGAAATTTTGTGGTGCCTGCGCCCTGAAGATCA
 TTTGGGAATATTTTTCATCCTCGTTGCGTTGCTGTTGTAATTTCTCTCTTCTGTCAAATTTGGATAA
 AGCTCTTCATTCAGCAGGAATAGATTCGGGTTTCATCATCTTCGGAACAACTGAGCAATCCACTGAAC
 ATGCTTTTGCCTGTTTACAACAGTGTCCCTCTTGATTACATCTTATAACAATTATTATTATGTA
 TTTTTTACTTCGATGGCAGGAATTCGAAACATTGGCATTGTTGTTCTTTTGGATTAGGTTATATAAAAT
 CAGAAGAGGGCGAACAGGCCTCAGGCACTCTTATTTCTGTCATGATCCTCCTGCTCATTGTCTTCAT
 ACCAGCTACATGATCTACAGTCTCGGCCTCAGTACGTGATGTACGGAAGCCAGAATTACTTAATAGAGA
 GCAATATAACTTCTGATGCCATAAAGGCAATCAACCCTGCTGTGCCAAAAGATGTGACGCAGATGC
 CCTAAAGATCAGTGTACTGTTACCCGAACATACATTTTCTCCACAAGTTCTGGTTCTTCAGTGTGCA
 TACTATTTTGGTAACTGGCCTTTCTCGTGGTGTCTTGATCGGATTAATTGTATCCTGCTGTAAGGGA
 AGAAGTCAGTCATAGAAGGAGTGGATGAAGATTCGGACTTAAGTATGATGAGCCGCTGCTACTCTGCG
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207473 protein sequence
 Red=Cloning site Green=Tags(s)

MKNQNGTFKDWADANVTVQIENTVLYGYTLYSVILFCVFFWIPFVYFYEEKDEDDASKCTQIKTALKY
 TLGFVVICALLLLLVGAFLPLHLPNNNNSTEWKVKLLFEDLGTGQGLAALSFSSISLTLIGMLAAITYTA
 YGMSALPLNLIKGTRSTAYERLENTEDEIEVEQHIQTIRSKSKDGRPLPARRRALKQCEERLRLRKRE
 RHLEFIENSWWTKFCGALRPLKIIWGIFFILVALLFVISLFLSNLDKALHSAGIDSGFIIIFGTNLSNPLN
 MLLPLLQTVFPLDYILITIIIMYFIFTSMAGIRNIGIWWFWIRLYKIRRGTRPQALLFLCMILLIIVLH
 TSYMIYSLAPQYVYGSQNYLIESNITSDAHKGNSTLAVPKRCDADAPKDQCTVTRTYIFLHKFWFFSAA
 YYFGNWAFLVVFLIGLIVSCCKGKKSVEGVDESDLSDEPSAYSA

TRTRPLEQ**KL**I**SEEDLA**AND**ILDYK**DDDD**KV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026719

ORF Size: 1404 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 Size: 5422 bp

RefSeq ORF: 1614 bp

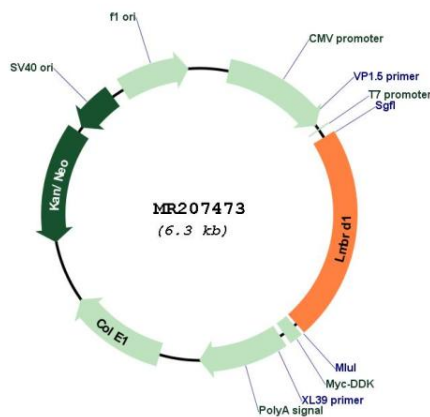
Locus ID: 68421

UniProt ID: [Q8K0B2](#)
Cytogenetics: 1 A5

MW: 53.4 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 MR207473