

## Product datasheet for **MG207473**

### Lmbrd1 (BC025579) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbrd1 (BC025579) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lmbrd1
Synonyms:	0910001K20Rik; AV347960
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207473 representing BC025579  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAAATCAAATGGCACATTCAAGGACTGGGCTGACGCCAATGTCACCGTACAGATTGAGAATACCG  
 TTCTGTATGGCTACTATACTCTGTATTCTGTCATTCTCTTCTGTGTGTTCTTCTGGATCCCGTTTGTGTA  
 CTTCTACTACGAAGAGAAGGATGAGGACGACGCCAGCAAATGCACCCAAATTAACCGGCCCTCAAGTAC  
 ACTTTGGGATTTGTTGTGATCTGCGCTCTGCTGCTTCTCGTTGGTGCCTTTGTGCCTCTGCATCTGCCCA  
 ACAACAACAACCAACAGAGTGGGAAAAGGTGAAGCTCCTGTTTGAAGACCTTGGAACTGGTCAAGGCCCT  
 GGCAGCTCTGTCTTTTCCATCAGCTCTCTGACCTTGATTGGGATGCTGGCGGCCATAACCTACACAGCG  
 TACGGCATGTCCGATTACCTTTAAACCTAATCAAAGGCACTAGAAGCACTGCCTACGAGCGCCTGGAGA  
 ACACGGAGGACATCGAGGAAGTGGAGCAGCACATTAGACGATTGATCCAAGAGCAAAGATGGTCGACC  
 TTTGCCAGCGAGGATAGACGTGCTTAAAGCAATGTGAAGAAAGACTAAGAACGCTTAGGAAAAGAGAG  
 CGGCACCTTGAATTCATTGAAAACAGCTGGTGGACGAAATTTTGTGGTGCCTGCGCCCTGAAGATCA  
 TTTGGGGAATATTTTTCATCCTCGTTGCGTTGCTGTTGTAATTTCTCTCTTCTGTCAAATTTGGATAA  
 AGCTCTTCATTACAGCAGGAATAGATTCGGGTTTCATCATCTTCGGAACCTAACCTGAGCAATCCACTGAAC  
 ATGCTTTTGGCGTTGTTACAAACAGTGTCCCTCTTGATTACATCTTATAACAATTATTATTATGTACT  
 TTATTTTACTTCGATGGCAGGAATTCGAAACATTGGCATTGTTGTTCTTTTGGATTAGGTTATATAAAAT  
 CAGAAGAGGGCGAACAGGCCTCAGGCACTCTTATTTCTGTCATGATCCTCCTGCTCATTGTCTTCAT  
 ACCAGCTACATGATCTACAGTCTCGGCCTCAGTACGTGATGTACGGAAGCCAGAATTACTTAATAGAGA  
 GCAATATAACTTCTGATGCCATAAAGGCAATCAACCCTGCTGTGCCAAAAGATGTGACGCAGATGC  
 CCCTAAAGATCAGTGTACTGTTACCCGAACATACATTTTCTCCACAAGTTCTGGTTCTTCAGTGTGCA  
 TACTATTTTGGTAACTGGCCTTTCTCGTGGTGTCTTGATCGGATTAATTGTATCCTGCTGTAAGGGA  
 AGAAGTCAGTCATAGAAGGAGTGGATGAAGATTCGGACTTAAGTATGATGAGCCGCTGCTCTACTCTGC  
 G

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207473 representing BC025579  
 Red=Cloning site Green=Tags(s)

MKNQNGTFKDWADANVTQIENTVLYGYYTLYSVILFCVFFWIPFVYFYEEKDEDDASKCTQIKTALKY  
 TLGFVVICALLLLVGAFVPLHLPNNNNSTEWKVKLLFEDLGTGQGLAALSFSISLTLIGMLAAITYTA  
 YGMSALPLNLIKGTRSTAYERLENTEDEIEVEQHIQTIRSKSKDGRPLPARDRRALKQCEERLRTLKRE  
 RHLEFIENSWWTKFCGALRPLKIIWGIFFILVALLFVISLFLSNLDKALHSAGIDSGFIIFGTNLSNPLN  
 MLLPLLQTVFPLDYILITIIIMYIFITSMAGIRNIGIWFWIRLYKIRRGTRPQALLFLCMILLIIVLH  
 TSYMIYSLAPQYVYGSQNYLIESNITSDAHKGNSTLAVPKRCDADAPKDQCTVTRTYIFLHKFWFFSAA  
 YYFGNWAFLVVFLLIIVSCCKGKKSIVIEGVEDSDLSDEPSAYSA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul



**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:** [BC025579](#), [AAH25579](#)

**RefSeq Size:** 4386 bp

**RefSeq ORF:** 1403 bp

**Locus ID:** 68421

**Cytogenetics:** 1 A5

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