

Product datasheet for **SC113577**

LMBRD1 (NM_018368) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMBRD1 (NM_018368) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMBRD1
Synonyms:	C6orf209; LMBD1; MAHCF; NESI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113577 sequence for NM_018368 edited (data generated by NextGen Sequencing)

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ATGGCGACTTCTGGCGCGCCTCGGCGGAGCTGGTGATCGGCTGGTGCATATTCGGCCTC
TACTACTGGCTATTTGGCATTCTGCTGGATATATGTTTCGTAATACCAAAGTCGGCGG
GAAAGTGAAGTTGTCTCCACCATAACAGCAATTTTTCTCTAGCAATTGCACTTATCACA
TCAGCACTTCTACCAGTGGATATATTTTTGGTTTCTTACATGAAAAATCAAAATGGTACA
TTTAAGGACTGGGCTAATGCTAATGTGAGCAGACAGATTGAGGACACTGTATTATACGGT
TACTATACTTTATATTCTGTTATATTGTTCTGTGTGTTCTTCTGGATCCCTTTGTCTAC
TTCTATTATGAAGAAAAGGATGATGATGATACTAGTAAATGTAAGTCAAAATTAACCGCA
CTCAAGTATACTTTGGGATTTGTTGTGATTTGTGCACTGCTTCTTTAGTTGGTGCCTTT
GTTCCATTGAATGTTCCCAATAACAAAAATCTACAGAGTGGGAAAAAGTGAAGTCCCTA
TTTGAAGAACTTGAAGTAGTCATGGTTTAGCTGCATTGTCATTTTCTATCAGTTCTCTG
ACCTTGATTGGAATGTTGGCAGCTATAACTTACACAGCCTATGGCATGTCTGCGTTACCT
TTAAATCTGATAAAAGGCACTAGAAGCGCTGCTTATGAACGTTTGGAAAACACTGAAGAC
ATTGAAGAAGTAGAACACACATTCAAACGATTAATCAAAAAGCAAAGATGGTGCACCT
TTGCCAGCAAGGGATAAACGCGCCTTAAACAATTTGAAGAAAAGTTACGAACACTTAAG
AAGAGAGAGAGGCATTTAGAATTCATTGAAAACAGCTGGTGGACAAAATTTGTGGCGCT
CTGCGTCCCTGAAGATCGTCTGGGGAATATTTTTCATCTTAGTTGCATTGCTGTTTGTG
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TTCATAATTTTGGAGCTAACCTGAGTAATCCACTGAATATGCTTTTGCCTTTACTACAA
ACAGTTTTCCCTCTTGATTATATCTTATAACAATTTATTATTGTAAGTCTTTTACT
TCAATGGCAGGAATTCGAAATATTGGCATATGGTCTTTTGGATTAGATTATATAAAATC
AGAAGAGGTAGAACCAGGCCCAAGCACTCCTTTTTCTCTGCATGATACTTCTGCTTATT
GTCTTACACTAGCTACATGATTATAGTCTTGCCTCCCAATATGTTATGTATGGAAGC
CAAAATTACTTAATAGAGACTAATAAATCTGATAATCATAAAGGCAATTCACCCCTT
TCTGTGCCAAAGAGATGTGATGCAGAAGCTCCTGAAGATCAGTGTACTGTTACCCGGACA
TACCTATTCCTTACAAGTTCTGGTTCTTCAAGTCTGCTTACTATTTTGGTAACTGGGCC
TTTCTTGGGGTATTTTGGATTGATTAATTGTATCCTGTTGTAAGGGAAGAAATCGGTT
ATTGAAGGAGTAGATGAAGATTCAGACATAAGTGTGATGAGCCCTCTGTCTATTCTGCT
TGA
    
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Clone variation with respect to NM_018368.3
1407 t=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_018368 unedited
GATTTTGTAAATACGACTCACTTATAGGGCGCCGCGAATTCGCACGAGGCCCTTTAACCC
TTTAGGGTGCAGGAGTGCAGTATATCTCGCGCTCTCTCCCTTTCCCTTTCCCTTTCC
CACCCCGGGCGCTCAGGTTGGTCTGGACCGGAAGCGAAGATGGCGACTTCTGGCGCGCC
TCGGCGGAGCTGGTGATCGGCTGGTGCATATTCGGCCTTCTACTACTGGCTATTTTGGCA
TTCTGCTGGATATATGTTTCGTAATACCAAAGTCGGCGGGAAAGTGAAGTTGTCTCCACC
ATAACAGCAATTTTTCTCTAGCAATTGCACTTATCACATCAGCACTTCTACCAGTGGAT
ATATTTTGGTTTCTTACATGAAAAATCAAAATGGTACATTTAAGGACTGGGCTAATGCT
AATGTCAGCAGACAGATTGAGGACACTGTATTATACGGTACTATACTTTATATTCTGTT
ATATTGTTCTGTGTGTTCTTCTGGATCCCTTTTGTCTACTTCTATTATGAAGAAAAGGAT
GATGATGATACTAGTAAATGTAAGTCAAAATTAACGGCACTCAAGTATACTTTGGGATTT
GTTGTGATTTGTGCACTGCTTCTTTTAGTTGGTGCCTTTGTTCCATTGAATGTTCCCAAT
AACAAAAATCTACAGAGTGGGAAAAAGTGAAGTCCCTATTTGAAGAACTTGAAGTAGT
CATGGTTTAGCTGCATTGTCATTTTCTATCAGTTCTCTGACCTTGATGGNAAATGTTGCA
GCTATAACTTACACAGCCTATGGCATGTCTGCGTTACCTTTAATCTGATAAAGGCACTA
AAGCGTCTGATGAACGTTTGGAAAACACTGAGACATGNAGAAAGTGACACACATTCACCG
ATTAATCAAAAGCAAGATGTCGACCTTTGCAGCAGGGATAACGCCCTAAACAAATGAA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018368 unedited TTAGCTATGGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGCACAG ATACAAATGATTTATTATGTTTTCAAAGTGACAAAAGGGAATATTAATTCTGGAAGATT TTAATCAATTTAACTATTATACATTAGAGGAAAAATTTGCACAAACATCCCTCA CAAAGCCAGTAGTCTTATATTTACATAGCATGATTATGGTAATTTAAAATGTTAATCTAT GATACAATGTTACTTCAGAAAACATATAATAAAATAGTTGTCTTATAGCCATGCTCCC ATTTTTGATGAAAGCTAGTTAGCAAATCCTAATGTTAGTTAATACTTTAAAAATGCATA ACAGATATTCAGTCAGCATTATAAAACCTTTAAGACAGAAGGCTGTCAAGCAGAATAGAC AGAGGGCTCATCACTTATGTCTGAATCTTCTACTCTCAATAACCGATTTCTT CCCTTTACAACAGGATACAATTAATCCAATCAAAAATACCCCAAGAAAGGCCAGTTACC AAAATAGTAAGCAGCACTGAAGAACCAGAACTTGTGAAGGAATAGGTATGTCGGGTAAC AGTACACTGATCTTCAGGAGCTTCTGCATCACATCTTTGGCACAGAAAGGGTTGAATT GCCTTTATGATTATCAGAAGTTATATTAGTCTCTATTAAGTAATTTGGCTTCCATACAT AACATATTGGGGAGCCAGACTATAAATCATGTAGCTAGTGTGGAGACCAATAGCAGAAG TATCATGCAGAGAAAAAGGAGTGTCTGGGGCTGTTTCTACCTCTCTGATTTTAAAA CCTAACAAAAGACCATATGCCATTATTTTGAATTCCTGCCTTTGGAGGAAAAAATAGTC CTTATAAAAATTGTTTATAGAAACATATCAGAAGGGAACTGTTTGTAGTAAAGGCACAG
Restriction Sites:	NotI-NotI
ACCN:	NM_018368
Insert Size:	2170 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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:	<ol style="list-style-type: none"> 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_018368.2 , NP_060838.2
RefSeq Size:	2076 bp

RefSeq ORF: 1623 bp

Locus ID: 55788

UniProt ID: [Q9NUN5](#)

Cytogenetics: 6q13

Protein Families: Transmembrane

Gene Summary: This gene encodes a lysosomal membrane protein that may be involved in the transport and metabolism of cobalamin. This protein also interacts with the large form of the hepatitis delta antigen and may be required for the nucleocytoplasmic shuttling of the hepatitis delta virus. Mutations in this gene are associated with the vitamin B12 metabolism disorder termed, homocystinuria-megaloblastic anemia complementation type F.[provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.