OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC226885

Cd1d2 (NM_001289449) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd1d2 (NM_001289449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd1d2
Synonyms:	CD1.2; Cd1b; Ly-38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226885 representing NM_001289449
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGTACCTACCGTGCCTGTTGCTGTGGGCATTCCTACAGGTCTGGGGACAATCTGAAGTCCAGCAAA
AGAATTACACCTTCCGCTGCCTGCAGACTTCTTCCTTTGCTAACATAAGCTGGTCCCGCACAGACAGCCT
GATCTTGCTGGGGGATCTGCAGACACACCGTTGGAGTAATGACTCAGCCATCATCAGCTTCACGAAGCCA
TGGTCCCAGGATCCCATTGAGATCCAGTTGTCTACCGGCTGTGAAATGTACCCTGGGAATGCTTCGGAAA
GCTTTTTTCATGTAGCATTTCAAGGAAAATATGCCGTGAGATTCCGGGGAACATCTTGGCAGAGGGTCCT
AGGGGCCCCATCTTGGTTAGACTTGCCCATCAAAGTGCTCAACGCTGATCAAGGGACAAGTGCAACCGTG
CAGACGCTCCTGAATGACACCTGGCCCCAGTTTGCCCGTGGTCTCCTAGAGGCAGGGAAGTCAGACCTAG
AGAAGCAAGAGAAGCCAGTGGCCTGGTTGTCCAGTGTCCCCAGCTCTGCACATGGCCATCTGCAGCTGGT
GTGTCATGTCTCTGGCTTCTACCCAAAACCTGTGTGGGTGATGTGGATGCGGGGTGACCAGGAGCAACAG
GGTACTCACAGAGGTGATTTCCTGCCAAATGCTGATGAGACATGGTATCTTCAAGCAACCCTGGATGTGG
AGGCTGGAGAGGAAGCTGGCCTGGCCTGCAGGGTGAAGCACAGCAGCCTAGGAGGACAGGATATCATCCT
CTACTGGGATGCCAGGCAAGCACCCGTGGGCCTGATCGTCTTCATAGTACTAATCATGCTAGTGGTGGTG
GGTGCTGTAGTCTACTATATCTGGAGAAGGAGAAGCGCTTATCAAGACATCCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001289449
Insert Size:	897 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289449.1, NP_001276378.1
RefSeq Size:	1145 bp
RefSeq ORF:	897 bp
Locus ID:	12480
Cytogenetics:	3 37.88 cM
Gene Summary:	This gene encodes a MHC class I-like molecule involved in the presentation of lipid antigens to T cells, and is involved in the activation of Natural Killer T (NKT) cells. The gene is highly similar to the CD1d1 antigen gene, which is located adjacent to this gene in a tail-to-tail fashion. This gene contains a frameshift and does not produce a functional product in the C57BL/6 strain. Alternatively splice transcript variants encoding different isoforms have been found in non-C57BL/6 strains. [provided by RefSeq, Jan 2014] Transcript Variant: This variant (2) has an alternate splice site, compared to variant 1. The reading frame is not affected and the resulting isoform (2) lacks an internal segment, compared to isoform 1. Sequence Note: This RefSeq represents the functional transcript found in 129, NMRI, AKR/J, and other strains.

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