

Product datasheet for **MR226027**

Cd1d1 (NM_007639) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd1d1 (NM_007639) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd1d1
Synonyms: A1747460; CD1.1; Cd1a; Cd1d; Ly-38
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226027 representing NM_007639
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGTACCTACCATGGCTGTTGCTGTGGCATTCTACAGGTCTGGGACAATCTGAAGCCCAGCAAA
AGAATTACACCTTCGGCTGCCTGCAGATGTCTTCCTTTGCAAACAGAAGCTGGTCCCGCAGACAGCGT
GGTCTGGCTGGGGATCTGCAGACTCACCGTTGGAGTAATGACTCAGCCACCATCAGCTTACGAAGCCA
TGGTCCCAGGGCAAGTTGAGTAACCAGCAGTGGGAGAAGTTGCAGCATATGTTTCAAGTCTATCGAGTCA
GCTTTACCAGGGACATACAGGAATTAGTCAAAATGATGTCACCTAAAGAAGACTATCCCATTGAGATCCA
GCTGTCTGCGGGCTGTGAAATGTACCCTGGGAATGCTTCGAAAAGCTTTTACACGTAGCATTTC AAGGA
AAATATGTCGTGAGATTCTGGGGAACGTCTGGCAGACAGTCCCAGGGGCCCATCTTGTTAGACTTGC
CCATCAAAGTGCTCAACGCTGATCAAGGGACAAGTGCAACCGTGCAGATGCTCCTGAATGACACCTGCC
CCTATTTGTCCGTGGTCTCCTAGAGGCAGGGAAGTCAGACCTAGAGAAGCAAGAGAAGCCAGTGGCTGG
TTGTCCAGTGTCCCAGCTCTGCACATGGCCATAGGCAGCTGGTGTGTCATGTCTCTGGCTTCTACCCAA
AACCTGTGTGGGTGATGTGGATGCGGGTGACCAGGAGCAACAGGGTACTCACAGAGGTGATTTCTGCC
AAATGCTGATGAGACATGGTATCTTCAAGCAACCCTGGATGTGGAGGCTGGAGAGGAAGCTGGCCTGGCC
TGCAGGGTGAAGCACAGCAGCCTAGGAGGACAGGATATCATCTCTACTGGGATGCCAGGCAAGCACCCG
TGGCCTGATCGTCTTCATAGTACTGATCATGCTAGTGGTGGTGGTGTGTAGTCTACTATATCTGGAG
AAGGAGAAGCGCTTATCAAGACATCCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR226027 representing NM_007639
Red=Cloning site Green=Tags(s)

MRYLPWLLLWAFLLQVWGQSEAAQQKNYFRCLQMSSFANRSWSRTDSVVWLGDQLTHRWSNDSATISFTKP
 WSQGKLSNQQWEKLLQHMFQVYRVSFTRDIQELVKMMSPKEDYPIEIQLSAGCEMYPGNASESFLHVAFAQ
 KYVVRFWGTSWQTVPGAPSWLDLPIKVLNADQGT SATVQMLLNDTCPLFVRGLLEAGKSDLEKQEKPVAV
 LSSVPSSAHGHRQLVCHVSGFYPKPVVWMMMRGDQEQGTHRGDFLPNADETWYLAQLDVEAGEEAGLA
 CRVKHSSLGGQDIILYWDARQAPVGLIVFIVLIMLVVVVAVVYIWRRRSAYQDIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9020_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007639

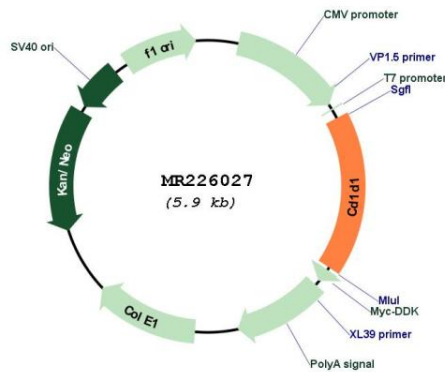
ORF Size: 1008 bp

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](#)

| | |
|-------------------------------|---|
| 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: | <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_007639.4 |
| RefSeq Size: | 1845 bp |
| RefSeq ORF: | 1011 bp |
| Locus ID: | 12479 |
| UniProt ID: | P11609 |
| Cytogenetics: | 3 37.91 cM |
| MW: | 39 kDa |
| Gene Summary: | Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR226027