

Product datasheet for **RR204275**

Cd1d1 (NM_017079) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd1d1 (NM_017079) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd1d1
Synonyms:	Cd1; Cd1d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204275 representing NM_017079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGTACCTACCGTGCCTGTTGCTGTGGGCATTCCACAGTTCTGGGGACAATCCGAAGTCCAGCAGA
ATTACACCTTCGGCTGCCTGCAGATCTCTTCCTCGCCAACCGAAGCTGGTCCCGCACAGACAGTGTGGT
CTGGCTGGGGATCTGCAGACACACCGTTGGAGTAATGACTCAGACACCATCAGTTTCAAAAGCCGTGG
TCCCAGGGCAAATTCAGTAACCAGCAGTGGGAGAAGTTGCAGCATATGTTTCAAGTGTATCGAACAGCT
TTACCAGGGACATCAAGGAAATAGTCAAATGATGTCACCTAAAGAAGACTATCCTATCGAGGTCCAAC
GTCTGCTGGCTGTGAAATGTACCCTGGGAATGCTTCAAAAAGCTTTTTACACGTAGCATTCAAGGAGAA
TATGTCGTGAGATTCCATGGAACATCCTGGCAGAAGGTCCCAGAGGCCCATCTTGGTTAGATTTGCCCA
TCAAAATGCTCAACGCTGATGAAGAACGAGAGAAACAGTGCAGATACTCCTGAACGACACCTGCCCCCA
GTTTGTCCGTGGCCTCCTAGAAGCAGGGAAGCCAGACCTAGAAAAGCAAGAGAAGCCAGTGGCCTGGTTA
TCCCGTGGCCCAACCTGCCATGGCCATCTGCAGCTGGTATGTCATGTCTCTGGCTTCCACCCAAAGC
CTGTGTGGGTGATGTGGATGCGGGGTGACCAGGAGCAAGGGGTACTCACAGAGGTGACATCCTGCCAAA
TGCGGATGAGACATGGTATCTTCAAGCAACCCTGGATGTGGAGGCTGGAGACGAGGCTGGCCTGGCCTGC
AGGGTGAAGCACAGCAGTCTAGAGGGGCAGGACATCATCTCTACTGGGGTGGCAGACAAGTATCCCGG
TGTTGATCTTCTGATAGTAGGCGTACTGGTTCTAGTGGTGTGTGCTGTGGCCTACTATATCATCAGGAA
AAGGAGACGCTCCTATCAAGACATCATG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204275 representing NM_017079
 Red=Cloning site Green=Tags(s)

MLYLPCLLLWAFPQFWGQSEVQQNYTFGLQISSFANRSWSRTDSVVWLGDLQTHRWSNDSDTISFTKPW
 SQGKFSNQWEKLQHMVQYRTSFTRDIKEIVKMMSPKEDIPIEVQLSAGCEMYPGNASESFLHVAFOGE
 YVVRFHGTSWQKVPEAPSWLDLPIKMLNADEGTRETVQILLNDTCPQFVRGLLEAGKPDLEKQEKPVAWL
 SRGPNPAHGHLQLVCHVSGFHPPVWVMMWRGDQEQGGTHRGDILPNADETWYLQATLDVEAGDEAGLAC
 RVKHSSLEGQDIILYWGGRRQVSPVLIFLIVGVLVLCVAVYYIIRKRRRSYQDIM

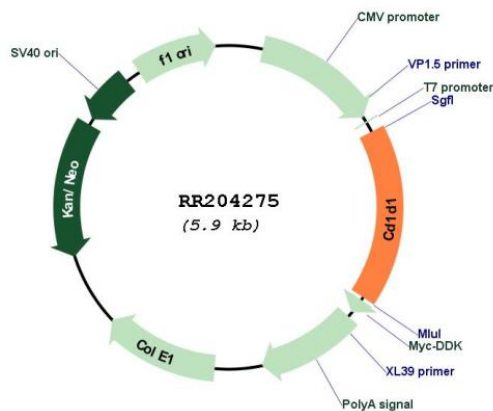
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017079
ORF Size: 1008 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:	<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_017079.1 , NP_058775.1
RefSeq Size:	1835 bp
RefSeq ORF:	1011 bp
Locus ID:	25109
UniProt ID:	Q63493
Cytogenetics:	2q34
MW:	38.5 kDa
Gene Summary:	an antigen-presenting protein distinct from the major histocompatibility complex [RGD, Feb 2006]