

Product datasheet for **RR207564**

Cd79b (NM_133533) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd79b (NM_133533) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd79b
Synonyms: B29; Igb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR207564 representing NM_133533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACACTGGTGCTGTCTCCTGTGCCCTGCCACTGGCTGATGTTCTGCTGCTGCTCCTCTCAGGTG
AGCCAGTACCAGCGATGACAAAGAGTGACCAGCCACCGATTTTCCAAGGAAGCCCTTGTTCGAAGATCTG
GCAGCACCCGAGGTTTGCAGCCAAAAGCGGAGCTCCATGGTGAAGTTTCACTGCCACACAGACTACTCA
GGTGTGTCATGACCTGGTTCCGGCAGAAAGGAACCAGAGGCCTCAGGAAGTGTCCAGAAGACGGACACA
TTTCGCAGACCCGGAATGGCTCTGTCTACACCCTCACTCTCCAAAACATCCAGTATGAGGATAACGGCAT
CTACTTCTGCCAGCAGAAGTGCAACAGCACCGAACCTGATGTTACCGATGGCTGTGGCACGGAATTCTA
GTCTTAGGATTCAGCACGTTGGACCAACTGAAGCGGCGGAACACGCTGAAAGATGGCATTATCATGATCC
AGACCCTCCTCATCATCCTTTCATCATCGTCCCCATCTTCTTACTACTAGACAAGGATGACAGCAAGGC
CGGGATGGAAGAGGACCACCTATGAGGGCTTGAACATTGACCAGACAGCCACCTATGAAGACATAGTG
ACTCTTCGACAGGGGAGGTAAGTGGTCTGTGGGAGAGCACCCAGGCCAGGAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207564 representing NM_133533
Red=Cloning site Green=Tags(s)

MATLVLSPVPCHWLMFLLLLLSGEPVPAMTKSDQPPIFQGSPCSKIWQHPRFAAKKRSSMKVFKHCHTDYS
 GVMTWFRQKGNRPQELFPEDGHISQTRNGSVYTLTLQNIQYEDNGIYFCQQKCNSTEPDVTGDCGTELL
 VLGFASTLDQLKRRNTLKDGIIMIQTLLIILFIIVPIFLLLLDKDDSKAGMEEDHTYEGLNIDQTATYEDIV
 TLRTGEVKWSVGEHPGQE

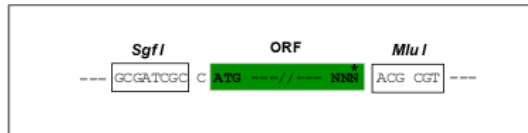
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2578_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133533

ORF Size: 684 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:

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_133533.2](#), [NP_598217.1](#)

RefSeq Size: 1235 bp

RefSeq ORF: 687 bp

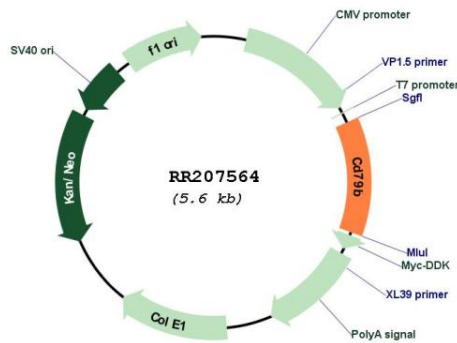
Locus ID: 171055

Cytogenetics: 10q32.1

MW: 26.3 kDa

Gene Summary: B-cell-specific membrane protein [RGD, Feb 2006]

Product images:



Circular map for RR207564