

## Product datasheet for **RC220359**

### CD79A (NM\_001783) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: CD79A (NM\_001783) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: CD79A  
 Synonyms: IGA; MB-1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RC220359 representing NM\_001783  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCTGGGGTCCAGGAGTCTCCAAGCTCTGCCTGCCACCATCTTCTCTCTTCTGCTGTCTGCTG  
 TCTACCTGGGCCCTGGGTGCCAGGCCCTGTGGATGCACAAGGTCCCAGCATATTGATGGTGAGCCTGGG  
 GGAAGACGCCCACTTCCAATGCCCGACAATAGCAGCAACAACGCCAACGTCACCTGGTGGCGCTCCTC  
 CATGGCAACTACACGTGGCCCCGTGAGTTCTTGGGCCGGGCGAGGACCCCAATGGTACGCTGATCATCC  
 AGAATGTGAACAAGAGCCATGGGGCATATACGTGTGCCGGTCCAGGAGGGCAACGAGTCATACCAGCA  
 GTCTGCGGCACCTACCTCCGCGTGCGCCAGCCGCCCCAGGCCCTTCTGGACATGGGGAGGGCACC  
 AAGAACCGAATCATCACAGCCGAGGGGATCATCTCCTGTTCTGCGCGGTGGTGCCTGGGACGCTGCTGC  
 TGTTCAGGAAACGATGGCAGAACGAGAAGCTCGGGTTGGATGCCGGGGATGAATATGAAGATGAAAACCT  
 TTATGAAGGCCTGAACCTGGACGACTGCTCCATGTATGAGGACATCTCCCGGGCCCTCCAGGGCACCTAC  
 CAGGATGTGGGCAGCCTCAACATAGGAGATGTCCAGCTGGAGAAGCCG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC220359 representing NM\_001783  
Red=Cloning site Green=Tags(s)

MPGGPGVLQALPATIFLLFLLSAVYLGPGCQALWMHKVPASLMVSLGEDAHFQCPHNSSNNANVTWWRVL  
 HGNYTWPEFLGPGEDPNGTLIIQNVNKS HGGIYVCRVQEGNESYQQSCGTYLVRVQPPRPFLDMGEGT  
 KNRIITAEGIILLFCAVVPGLLLLFRKRWQNEKLGLDAGDEYEDENLYEGLNLDCCSMYEDISRGLQGT  
 QDVGSLNIGDVQLEKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6117\\_a08.zip](https://cdn.origene.com/chromatograms/mk6117_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001783

**ORF Size:** 678 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\\_001783.4](#)

**RefSeq Size:** 1258 bp

**RefSeq ORF:** 681 bp

**Locus ID:** 973

**UniProt ID:** [P11912](#)

**Cytogenetics:** 19q13.2

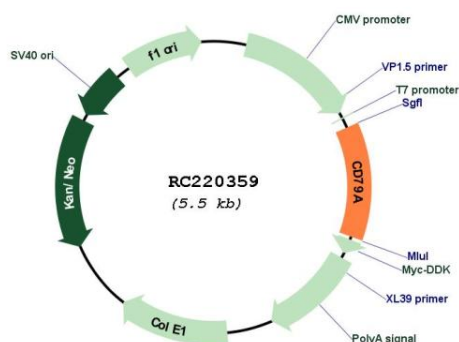
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** B cell receptor signaling pathway, Primary immunodeficiency

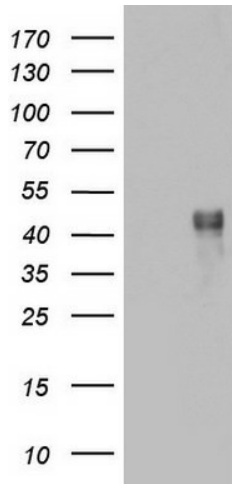
**MW:** 25.04 kDa

**Gene Summary:** The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-alpha protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

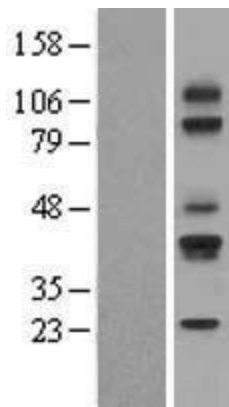
## Product images:



Circular map for RC220359



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD79A (Cat# RC220359, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD79A (Cat# [TA803156]). Positive lysates [LY400674] (100ug) and [LC400674] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY400674]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220359 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).