

## Product datasheet for **RG220359**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD79A (NM_001783) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD79A
Synonyms:	IGA; MB-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220359 representing NM_001783 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTGGGGTCCAGGAGTCTCCAAGCTCTGCCTGCCACCATCTTCTCTCTTCTGCTGTCTGCTG  
TCTACCTGGGCCCTGGGTGCCAGGCCCTGTGGATGCACAAGGTCCCAGCATATTGATGGTGAGCCTGGG  
GGAAGACGCCACTTCCAATGCCCGACAATAGCAGCAACAACGCCAACGTCACCTGGTGGCGCTCCTC  
CATGGCAACTACACGTGGCCCCGTGAGTTCTTGGCCCCGGGCGAGGACCCCAATGGTACGCTGATCATCC  
AGAATGTGAACAAGAGCCATGGGGCATATACGTGTGCCGGTCCAGGAGGGCAACGAGTCATACCAGCA  
GTCTGCGGCACCTACCTCCGCGTGCGCCAGCCGCCCCAGGCCCTTCTGGACATGGGGAGGGCACC  
AAGAACCGAATCATCACAGCCGAGGGGATCATCTCTGTTCTGCGCGGTGGTGCCTGGGACGCTGCTGC  
TGTTTCAAGAAACGATGGCAGAACGAGAAGCTCGGGTTGGATGCCGGGGATGAATATGAAGATGAAAACCT  
TTATGAAGGCCTGAACCTGGACGACTGCTCCATGTATGAGGACATCTCCCGGGCCCTCCAGGGCACCTAC  
CAGGATGTGGGCAGCCTCAACATAGGAGATGTCCAGCTGGAGAAGCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG220359 representing NM\_001783  
 Red=Cloning site Green=Tags(s)

MPGGPGVLQALPATIFLLFLLSAVYLGPGCQALWMHKVPASLMVSLGEDAHFQCPHNSSNNANVTWWRVL  
 HGNYTWPEFLGPGEDPNGTLIIQNVNKS HGGIYVCRVQEGNESYQQSCGTYLVRQP PPRPFLDMGEGT  
 KNRIITAEGIILLFCVVPGTLLLFKRKRWQNEKLGLDAGDEYEDENLYEGLNLDDCSMYEDI SRGLQGT  
 YQDVGSLNIGDVQLEKP

TRTRPLE - GFP Tag - V

**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](#)

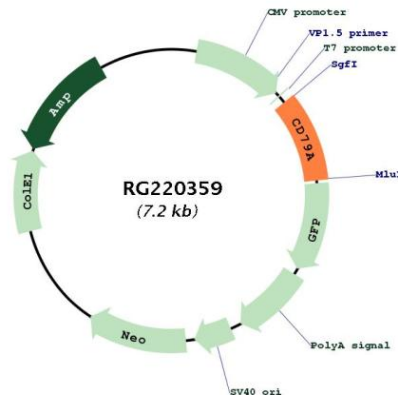
**Cytogenetics:** 19q13.2

**Protein Families:** Druggable Genome, Transmembrane

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

**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 RG220359