

Product datasheet for **RG215340**

CD79B (NM_000626) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD79B (NM_000626) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD79B
Synonyms:	AGM6; B29; IGB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215340 representing NM_000626 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCTGGCGTTGTCTCCTGTGCCAGCCACTGGATGGTGGCGTTGCTGCTGCTCTCAGCTG
AGCCAGTACCAGCAGCCAGATCGGAGGACCGGTACCGGAATCCCAAAGGTAGTGCTTGTTCGCGGATCTG
GCAGAGCCACGTTTCATAGCCAGGAAACGGGGCTTCACGGTGAAAATGCACTGTACATGAACAGCGCC
TCCGGCAATGTGAGCTGGCTCTGGAAGCAGGAGATGGACGAGAATCCCCAGCAGCTGAAGCTGGAAAAGG
GCCGCATGGAAGAGTCCCAGAACGAATCTCTCGCCACCCTCACCATCCAAGGCATCCGGTTTGAGGACAA
TGGCATCTACTTCTGCCAGCAGAAGTGCAACAACACCTCGGAGGTCTACCAGGGCTGCGGCACAGAGCTG
CGAGTCATGGGATTCAGCACCTTGGCACAGCTGAAGCAGAGGAACACGCTGAAGGATGGTATCATCATGA
TCCAGACGCTGCTGATCATCCTCTTCATCATCGTGCCTATCTTCTGCTGCTGGACAAGGATGACAGCAA
GGCTGGCATGGAGGAAGATCACACCTACGAGGGCCTGGACATTGACCAGACAGCCACCTATGAGGACATA
GTGACGCTGCGGACAGGGGAAGTGAAGTGGTCTGTAGGTGAGCACCCAGGCCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215340 representing NM_000626
 Red=Cloning site Green=Tags(s)

MARLALSPVPSHWMVALLLLLSAEPVPAARSEDYRNPKGSACSRWQSPRFIARKRGFTVKMHCYMNSA
 SGNVSWLWKQEMDENPQQLKLEKGRMEESQNESLATLTIQGIRFEDNGIYFCQQKCNNTSEVYQGCGETL
 RVMGFSTLAQLKQRNTLKDGIIMIQTLLIILFIIVIPILLLDKDDSKAGMEEDHTYEGLDIDQATYEDI
 VTLRTGEVKWSVGEHPGQE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000626

ORF Size: 687 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:

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_000626.1](#), [NP_000617.1](#)

RefSeq Size: 1270 bp

RefSeq ORF: 690 bp

Locus ID: 974

UniProt ID: [P40259](#)

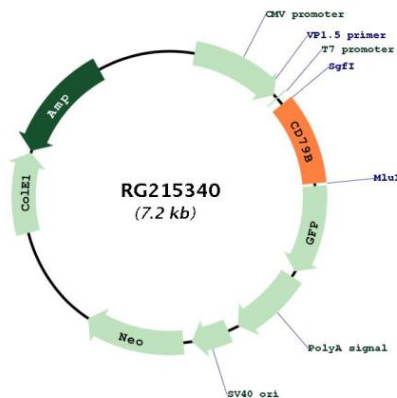
Cytogenetics: 17q23.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: B cell receptor signaling pathway

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-beta 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 RG215340