

Product datasheet for **SC122570**

CD79B (NM_000626) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD79B (NM_000626) Human Untagged Clone
Tag: Tag Free
Symbol: CD79B
Synonyms: AGM6; B29; IGB
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000626 edited
 CCACGCGTCCGCCACGCGTCCGCAGAGCGGTGACCATGGCCAGGCTGGCGTTGTCTCCT
 GTGCCCAGCCACTGGATGGTGGCGTTGCTGCTGCTGCTCTCAGCTGAGCCAGTACCAGCA
 GCCAGATCGGAGGACCGGTACCGGAATCCCAAAGGTAGTGCTTGTTCGCGGATCTGGCAG
 AGCCACGTTTTCATAGCCAGGAAACGGGGCTTACCGGTGAAAATGCACTGCTACATGAAC
 AGCGCCTCCGGCAATGTGAGCTGGCTCTGGAAGCAGGAGATGGACGAGAATCCCCAGCAG
 CTGAAGCTGGAAGGGCCGCATGGAAGAGTCCCAGAACGAATCTCTCGCCACCCTCACC
 ATCCAAGGCATCCGGTTTGAGGACAATGGCATCTACTTCTGCCAGCAGAAGTGAACAAC
 ACCTCGGAGGTCTACCAGGGCTGCGGCACAGAGCTGCGAGTCATGGGATTCAGCACCTTG
 GCACAGCTGAAGCAGAGGAACACGCTGAAGGATGGTATCATCATGATCCAGACGCTGCTG
 ATCATCTCTTCATCATCGTGCCTATCTTCTGCTGCTGGACAAGGATGACAGCAAGGCT
 GGCATGGAGGAAGATCACACCTACGAGGGCCTGGACATTGACCAGACAGCCACCTATGAG
 GACATAGTGACGCTGCGGACAGGGGAAGTGAAGTGGTCTGTAGGTGAGCACCAGGCCAG
 GAGTGAGAGCCAGGTCGCCCCATGACCTGGGTGCAGGCTCCCTGGCCTCAGTGACTGCTT
 CGGAGCTGCCTGGCTCATGGCCAAACCCTTTCCCGGACCCCCAGCTGGCCTCTGAAGC
 TGGCCACCAGAGCTGCCATTTGTCTCCAGCCCCTGGTCCCCAGCTTTGCCAAAGGGCC
 TGGAGTAGAAGGACAACAGGGCAGCAACTTGGAGGGAGTTCTCTGGGGATGGACGGGACC
 CAGCCTTCTGGGGTGTATGAGGTGATCCGTCCCCACACATGGGATGGGGGAGGCAGAG
 ACTGGTCCAGAGCCCCTGAAATGGACTCGGAGCCGAGGGCCTCCCAGCAGAGCTTGGGAAG
 GGCCATGGACCCAACTGGGCCCCAGAAGAGCCACAGGAACATCATTCCTCTCCCGCAACC
 ACTCCCACCCAGGGAGGCCCTGGCCTCCAGTGCCTTCCCCCGTGAATAAACGGTGTGT
 CCTGAGAAACCAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000626 unedited GTTCAAATTTTGTAAACGACTCACTATAGGNNCGGCCGCGCAATCCCGGGATATCGT CGACCCACGCGTCCGCCACGCGTCCGCAGAGCGGTGACCATGGCCAGGCTGGCGTTGTC TCCTGTGCCACGCACTGGATGGTGGCGTTGCTGCTGCTCTCAGCTGAGCCAGTACC AGCAGCCAGATCGGAGGACCGGTACCGGAATCCCAAAGGTAGTGCTTGTTCGCGGATCTG GCAGAGCCACGTTTCATAGCCAGGAAACGGGGCTTACGGTGAAAATGCACTGCTACAT GAACAGCGCCTCCGGCAATGTGAGCTGGCTCTGGAAGCAGGAGATGGACGAGAATCCCA GCAGCTGAAGCTGGAAGGGCCGCATGGAAGAGTCCCAGAACGAATCTCTCGCCACCCT CACCATCCAAGGCATCCGGTTTGAGGACAATGGCATCTACTTCTGCCAGCAGAAGTGCAA CAACACCTCGGAGGTCTACCAGGGCTGCGGCACAGAGCTGCGAGTCATGGGATTCAGCAC CTTGGCACAGCTGAAGCAGAGGAACACGCTGAAGGATGGTATCATCATGATCCAGACGCT GCTGATCATCCTTTCATCATCGTGCCTATCTTCTGCTGCTGGACAAGGATGACAGCAA GGCTGGCATGGAGGAAGATCACACCTACGAGGGCCTGGACATTGACCAGACGCCACCTA TGAGGACATAGTGACGCTGCGGACGGGAAGTGAAGTGGTCTGTANGTGAGCACCAGGC CAGGAGTGAGAGCCAGGTGCGCCATGACCTGNGTGCANGCTCCCTGGCCTCAGTGACTG CTTTCGAGCTGCCTGGCTCATGGCCAACCNCTTNCNCGNACCCNACGCTGGCCTCTG AAGCTGGCCACCANAGCTGCCATTTGTCTCCAGCCCCTGGT
Restriction Sites:	Please inquire
ACCN:	NM_000626
Insert Size:	1226 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
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_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]

Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 5' coding region, compared to variant 3. The encoded isoform (1) is shorter compared to isoform 3, but has identical N- and C- termini. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.