

## Product datasheet for **SC304941**

### CD79B (NM\_021602) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD79B (NM\_021602) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CD79B  
**Synonyms:** AGM6; B29; IGB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_021602 edited  
CAGAGCGGTGACCATGGCCAGGCTGGCGTTGTCTCCTGTGCCAGCCACTGGATGGTGGC  
GTTGCTGCTGCTCTCAGCTGAGCCAGTACCAGCAGCCAGATCGGAGGACCGGTACCG  
GAATCCCAAAGGATTCAGCACCTTGGCACAGCTGAAGCAGAGGAACACGCTGAAGGATGG  
TATCATCATGATCCAGACGCTGCTGATCATCCTCTTCATCATCGTGCCTATCTTCTGCT  
GCTGGACAAGGATGACAGCAAGGCTGGCATGGAGGAAGATCACACCTACGAGGGCCTGGA  
CATTGACCAGACACCCATATGAGGACATAGTGACGCTGCGGACAGGGGAAGTGAAGTG  
GTCTGTAGGTGAGCACCCAGGCCAGGAGTGAGAGCCAGGTCGCCCCATGACCTGGGTGCA  
GGCTCCCTGGCCTCAGTGACTGCTTCGGAGCTGCCTGGCTCATGGCCCAACCCCTTTCCC  
GGACCCCCAGCTGGCCTCTGAAGCTGGCCACCAGAGCTGCCATTTGTCTCCAGCCCT  
GGTGTCCAGCTCTTGCCAAAGGGCCTGGAGTAGAAGGACAACAGGGCAGCAACTTGGAGG  
GAGTTCTCTGGGGATGGACGGGACCCAGCCTTCTGGGGTGTATGAGGTGATCCGTC  
CACACATGGGATGGGGAGGCAGAGACTGGTCCAGAGCCCGAAATGGACTCGGAGCCGA  
GGGCTCCAGCAGAGCTTGGGAAGGGCCATGGACCCAACTGGGCCCCAGAGAGCCACA  
GGAACATCATTCTCTCCCGCAACCACTCCACCCAGGGAGGCCTGGCCTCCAGTGCC  
TTCCCCGTGGAATAAACGGTGTGCTCCTGAGAAACCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_021602

**Insert Size:** 900 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_021602.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_021602.1</a></u> , <u><a href="#">NP_067613.1</a></u>
<b>RefSeq Size:</b>	958 bp
<b>RefSeq ORF:</b>	378 bp
<b>Locus ID:</b>	974
<b>UniProt ID:</b>	<u><a href="#">P40259</a></u>
<b>Cytogenetics:</b>	17q23.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	B cell receptor signaling pathway
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site and also lacks an exon in the coding region, compared to variant 3. The encoded isoform (2) is shorter compared to isoform 3, but has identical N- and C- termini.</p>