**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC329267

## ABL2 (NM_001168239) Human Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | ABL2 (NM_001168239) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | ABL2 |
| **Synonyms:** | ABLL; ARG |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

>SC329267 representing NM_001168239.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCCTTGGGACAGTTCTCCTTCCACCTAATAGTTATGGCAGAGATCAGGACACTTCACTTTGCTGC
CTGTGCACTGAGGCCTCAGAATCTGCTCTACCCGACTTAACAGAAGCTTTGCATCGTCCCTATGGTTGT
GATGTTGAACCCCAGGCACTAAATGAGGCTATCAGGTGGAGCTCCAAGGAGAACTTGCTCGGAGCCACT
GAGAGTGACCCTAATCTCTTCGTTGCACTTTATGATTTTGTAGCAAGTGGTGATAACACACTCAGCATC
ACTAAAGGTGAAAAGCTACGAGTCCTTGGTTACAACCAGAATGGTGAGTGGAGTGAAGTTCGCTCTAAG
AATGGGCAGGGCTGGGTGCCAAGCAACTACATCACCCCAGTGAACAGCCTGGAAAAACACTCCTGGTAC
CATGGACCTGTGTCACGCAGTGCAGCTGAGTATCTGCTCAGCAGTCTAATCAATGGCAGCTTCCTGGTG
CGAGAAAGTGAGAGTAGCCCTGGGCAGCTGTCCATCTCGCTCAGGTACGAGGGACGTGTGTATCACTAC
AGGATCAATACCACTGCAGATGGCAAGGTGTATGTGACTGCTGAGAGCCGCTTCAGCACCTTGGCAGAG
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ACTGCAGTTGTGCTGCTCTACATGGCCACTCAGATTTCTTCTGCAATGGAGTACTTAGAGAAGAAGAAT
TTCATCCATAGAGATCTTGCAGCTCGTAACTGCCTAGTGGGAGAAAACCATGTGGTAAAAGTGGCTGAC
TTTGGCTTAAGTAGATTGATGACTGGAGACACTTATACTGCTCATGCTGGAGCCAAATTTCCTATTAAG
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GCATGCTGGAAGTGGAGCCCTGCCGATAGGCCCTCTTTTGCTGAAACACACCAAGCTTTTGAAACCATG

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TTCCATGACTCCAGCATTTCTGAAGAGGTAGCTGAGGAGCTTGGGAGAGCCGCCTCCTCGTCATCTGTT
GTTCCATACCTGCCCCGGCTACCTATACTTCCTTCCAAGACTCGGACACTGAAGAAACAGGTGGAGAAC
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TTGCCCAGAGGAGCCACAGCTCTTCCTCTCAGAACACCCTCTGGGGATCTAGCCATTACAGAGAAGGAC
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GTCCTCCCAACCACTCACAACCACAAAGTGCCAGTCCTTATCTCACCCACTCTGAAACACACTCCAGCT
GACGTGCAGCTCATTGGCACAGACTCTCAGGGGAATAAATTCAAGCTCTTATCTGAGCATCAGGTCACA
TCCTCTGGAGACAAGGACCGACCCCGACGGGTAAAACCAAAGTGTGCCCCACCCCCACCACCAGTGATG
AGACTACTGCAGCATCCGTCCATCTGCTCAGACCCTACAGAAGAGCCAACTGCCCTAACTGCAGGACAG
TCCACATCAGAAACACAGGAAGGAGGAAAGAAGGCAGCTCTGGGCGCAGTGCCCATCAGTGGGAAAGCT
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AAAATCAGCAAAGAGGCCCTGCTGGAATGTGCTGACCTACTGTCCAGTGCACTCACGGAACCTGTGCCC
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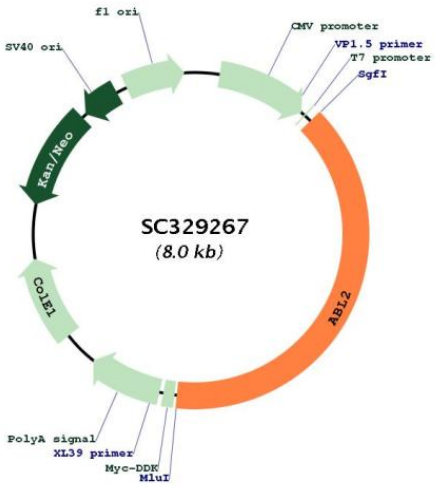
CAAACTCGCAACAAATTTGCCTTCCGAGAGGCTGTGAGCAAACTGGAACTCAGCCTGCAGGAGCTACAG
GTTTCTTCAGCAGCTGCTGGTGTGCCCGGGACAAACCCTGTCCTTAATAACTTATTGTCATGTGTACAG
GAAATCAGTGATGTGGTGCAGAGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**




**ACCN:** NM_001168239

**Insert Size:** 3132 bp

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| **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). |
| **OTI Annotation:** | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001168239.1 |
| **RefSeq Size:** | 11585 bp |
| **RefSeq ORF:** | 3132 bp |
| **Locus ID:** | 27 |
| **UniProt ID:** | P42684 |
| **Cytogenetics:** | 1q25.2 |
| **Protein Families:** | Druggable Genome, Protein Kinase |
| **Protein Pathways:** | ErbB signaling pathway, Viral myocarditis |
| **MW:** | 114.2 kDa |
| **Gene Summary:** | This gene encodes a member of the Abelson family of nonreceptor tyrosine protein kinases. The protein is highly similar to the c-abl oncogene 1 protein, including the tyrosine kinase, SH2 and SH3 domains, and it plays a role in cytoskeletal rearrangements through its C-terminal F-actin- and microtubule-binding sequences. This gene is expressed in both normal and tumor cells, and is involved in translocation with the ets variant 6 gene in leukemia. Multiple alternatively spliced transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Nov 2009]<br>Transcript Variant: This variant (i) differs in the 5' UTR and 5' coding region, and lacks an alternate in-frame segment in the 3' coding region, compared to variant b. The encoded isoform (i, also known as 1ASCTS) has a distinct N-terminus and is shorter than isoform b.<br>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. |