

Product datasheet for RC227191L3

OriGene Technologies, Inc.

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ABL2 (NM_001136000) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ABL2 (NM_001136000) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ABL2

Synonyms: ABLL; ARG

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC227191).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



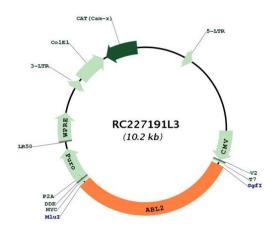


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001136000

ORF Size: 3192 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: <u>NM 001136000.2</u>

RefSeq Size: 11648 bp RefSeq ORF: 3195 bp



ABL2 (NM_001136000) Human Tagged Lenti ORF Clone - RC227191L3

Locus ID: 27

 UniProt ID:
 P42684

 Cytogenetics:
 1q25.2

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: ErbB signaling pathway, Viral myocarditis

MW: 116.7 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]