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# BCR/ABL1 Fusion Gene with ABL1 NM\_005157.4:c.1075T>G Mutation

National Cancer Institute

## Source

National Cancer Institute. *BCR/ABL1 Fusion Gene with ABL1 NM\_005157.4:c.1075T>G Mutation*. NCI Thesaurus. Code C130222.

A fusion gene that results from a translocation t(9;22)(q34;q11) that fuses the 5' part of the BCR gene to the 5' side of exon 2 of a mutated form of the ABL1 gene. In this fusion gene there is a point mutation where thymine has been substituted with guanine at nucleotide position 1075 of the ABL1 gene. This mutation is associated with imatinib- and nilotinib-resistant leukemias.