

Gene Section

Short Communication

BCL9 (B-cell CLL/lymphoma 9)

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Identity

HGNC (Hugo): BCL9

Location: 1q21

DNA/RNA

Description

10 exons spanning 85 kb.

Transcription

Transcripts of 1.6, 4.2, and 6.3 kb.

Protein

Description

1426 amino acids, 149 kDa.

Expression

Wide.

Function

Binds to beta-catenin required for Wnt signal transduction.

Homology

Drosophila segment polarity gene legless, encoding wingless-armadillo (WNT-beta-catenin) signaling molecule.

Implicated in

t(1;14)(q21;q32) and t(1;22)(q21;q11)

Disease

Acute lymphoblastic leukemia and non Hodgkin lymphoma.

Hybrid/Mutated gene

BCL9 is juxtaposed either with the immunoglobulin heavy chain locus IgH (14q32) or the lambda light-chain locus Igl (22q11).

References

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