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# TCTA wt Allele

National Cancer Institute

## Source

National Cancer Institute. *TCTA wt Allele*. NCI Thesaurus. Code C49429.

Human TCTA wild-type allele is located within 3p21 and is approximately 4 kb in length. This allele encodes T-cell leukemia translocation-associated gene protein. The TCTA gene has been shown exhibit a t(14;21)(q11.2;q22) chromosomal translocation in T-cell acute lymphoblastic leukemia, resulting in activation of BHLHB1 gene expression. This alteration leads to a leukemogenic effect via the functional inactivation of repressor proteins.