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# CTLA4 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *CTLA4 wt Allele*. NCI Thesaurus. Code C51345.

Human CTLA4 wild-type allele is located within 2q33 and is approximately 6 kb in length. This allele, which encodes cytotoxic T-lymphocyte protein 4, is involved in signal transduction and T-cell regulation. Variant alleles generated from mutations in the gene, have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.