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# CCND1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *CCND1 wt Allele*. NCI Thesaurus. Code C49519.

Human CCND1 wild-type allele is located within 11q13 and is approximately 13 kb in length. This allele, which encodes G1/S-specific cyclin-D1 protein, plays a role in the regulation of the cell cycle during the G1/S transition. Aberrant allelic expression caused by mutations, amplification and overexpression alters cell cycle progression. These abnormal alterations have been frequently identified in a variety of tumors and may contribute to tumorigenesis.