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TYMS wt Allele

National Cancer Institute

Source

National Cancer Institute. *TYMS wt Allele*. NCI Thesaurus. Code C51047.

Human TYMS wild-type allele is located in the vicinity of 18p11.32 and is approximately 16 kb in length. This allele, which encodes thymidylate synthase protein, is involved in maintenance of the thymidine-5'-monophosphate (dTMP) pool necessary for DNA replication and repair. Certain allelic variants of the TYMS gene confer resistance to chemotherapy.