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DHFR wt Allele

National Cancer Institute

Source

National Cancer Institute. *DHFR wt Allele*. NCI Thesaurus. Code C50875.

Human DHFR wild-type allele is located within 5q11.2-q13.2 and is approximately 29 kb in length. This allele, which encodes dihydrofolate reductase protein, plays a role in the de novo synthesis of glycine, purines and thymidylic acid. It is also involved in the regulation of endothelial nitric oxide levels. Allelic variants of the DHFR gene are associated with malaria and megaloblastic anemia.