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CYP11A1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *CYP11A1 wt Allele*. NCI Thesaurus. Code C52318.

Human CYP11A1 wild-type allele is located within 15q23-q24 and is approximately 30 kb in length. This allele, which encodes cytochrome P450 11A1, mitochondrial protein, is involved in steroid synthesis. Certain allelic variants of the CYP11A1 gene result in 17-alpha-hydroxylase/17,20-lyase deficiency. Defects in this gene cause congenital adrenal insufficiency and congenital lipoid adrenal hyperplasia.