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# CYP2D6\*2 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2D6\*2 Allele*. NCI Thesaurus. Code C46040.

Human CYP2D6\*2 allele is located in the vicinity of 22q13.1 and is approximately 4 kb in length. This allele, a variant form of the CYP2D6 wild-type allele, encodes cytochrome P450 2D6\*2 protein. The majority of haplotypes of the CYP2D6\*2 allele exhibit SNPs (g.2850C>T; g.4180G>C) in exons 6 and 9 that result in R296C and S486T coding changes. These alterations in protein sequence have no significant effect on the enzymatic activity of the cytochrome P450 2D6\*2 protein.