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# CYP2D6\*12 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2D6\*12 Allele*. NCI Thesaurus. Code C46045.

Human CYP2D6\*12 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\*12 protein. The CYP2D6\*12 allele exhibits a clinically-relevant SNP (g.124G>A) in exon 1 that results in a G42R coding change. This alteration in protein sequence abolishes the enzymatic activity of the cytochrome P450 2D6\*12 protein.