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# CYP2C8\*3 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2C8\*3 Allele*. NCI Thesaurus. Code C46031.

Human CYP2C8\*3 allele is located in the vicinity of 10q23.33 and is approximately 33 kb in length. This allele, a variant form of the CYP2C8 wild-type allele, encodes cytochrome P450 2C8\*3 protein. The CYP2C8\*3 allele exhibits clinically-relevant SNPs (c.416G>A, c.1196A>G) in exons 3 and 8 that result in coding changes (R139K, K399R). These alterations in protein sequence severely decrease the enzymatic activity of the cytochrome P450 2C8\*3 protein.