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# CYP2C19\*10 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2C19\*10 Allele*. NCI Thesaurus. Code C46012.

Human CYP2C19\*10 allele is located within 10q24.1-q24.3 and is approximately 90 kb in length. This allele, a variant form of the CYP2C19 wild-type allele, encodes cytochrome P450 2C19\*10 protein. The CYP2C19\*10 allele exhibits a clinically-relevant SNP (c.680C>T) in exon 5 that results in a P227L coding change. This alteration in protein sequence severely decreases the enzymatic activity of the cytochrome P450 2C19\*10 protein.