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CYP3A5*3 Allele

National Cancer Institute

Source

National Cancer Institute. *CYP3A5*3 Allele*. NCI Thesaurus. Code C46021.

Human CYP3A5*3 allele is located in the vicinity of 7q21.1 and is approximately 32 kb in length. This allele, a variant form of the human CYP3A5 wild-type allele, encodes cytochrome P450 3A5*3 protein. The CYP3A5*3 allele exhibits a clinically-relevant SNP (g.6986A>G) in intron 3 that results in a splicing defect and premature stop at 102 amino acids. This alteration severely decreases the enzymatic activity of the cytochrome P450 3A5*3 protein.