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# TPMT\*3C Allele

National Cancer Institute

## Source

National Cancer Institute. *TPMT\*3C Allele*. NCI Thesaurus. Code C46062.

Human TPMT\*3C allele is located in the vicinity of 6p22.3 and is approximately 26 kb in length. This allele, a variant form of the TPMT wild-type allele, encodes thiopurine S-methyltransferase protein. TPMT\*3C allele exhibits a clinically-relevant SNP (c.874A>G) that results in an Y240C coding change. This alteration in protein sequence decreases the enzymatic activity of the protein encoded by this allelic variant.