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COMT wt Allele

National Cancer Institute

Source

National Cancer Institute. *COMT wt Allele*. NCI Thesaurus. Code C51044.

Human COMT wild-type allele is located in the vicinity of 22q11.21 and is approximately 27 kb in length. This allele, which encodes catechol O-methyltransferase protein, plays a role in the O-methylation-mediated inactivation of catecholamine neurotransmitters and catechol hormones. Defects in the COMT gene are associated with susceptibility to neurological disorders such as schizophrenia and bipolar disorder.