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MGMT wt Allele

National Cancer Institute

Source

National Cancer Institute. *MGMT wt Allele*. NCI Thesaurus. Code C52085.

Human MGMT wild-type allele is located within 10q26 and is approximately 300 kb in length. This allele, which encodes methylated-DNA-protein-cysteine methyltransferase protein, plays a role in the repair of O6-alkylguanine residues in DNA. Expression of the MGMT gene is abrogated via promoter hypermethylation in certain types of cancer such as brain neoplasms, gastric cancer, hepatocellular carcinoma and non-small cell lung cancer.