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# DNMT3 Family

National Cancer Institute

## Source

National Cancer Institute. *DNMT3 Family*. NCI Thesaurus. Code C153274.

A family of proteins involved in methylation of DNA. There are three proteins in this family. DNA (cytosine-5)-methyltransferase (DNMT) 3A and DNMT3B are DNA methyltransferases that catalyze the methylation of hemimethylated and unmethylated CpG at the same rate. DNMT3-like (DNMT3L) has no enzymatic activity; instead this protein interacts with other members of the family and regulates their enzymatic activity.