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GRIN2B wt Allele

National Cancer Institute

Source

National Cancer Institute. *GRIN2B wt Allele*. NCI Thesaurus. Code C102459.

Human GRIN2B wild-type allele is located in the vicinity of 12p12 and is approximately 419 kb in length. This allele, which encodes glutamate receptor ionotropic, NMDA 2B protein, is involved in both glutamate binding and calcium transport. Mutation of the gene and chromosomal translocations involving the gene, t(9;12)(p23;p13.1) and t(10;12)(q21.1;p13.1), are associated with mental retardation.