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LEFTY2 wt Allele

National Cancer Institute

Source

National Cancer Institute. *LEFTY2 wt Allele*. NCI Thesaurus. Code C51538.

Human LEFTY2 wild-type allele is located in the vicinity of 1q42.1 and is approximately 5 kb in length. This allele, which encodes left-right determination factor 2 protein, plays a role in the left-right asymmetry determination of organ systems during development and is also involved in endometrial bleeding regulation. Mutations in this gene produce variant alleles that are associated with left-right axis malformations, particularly in the heart and lungs. Further, certain types of infertility have been associated with aberrant allelic expression in the endometrium.