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LIG1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *LIG1 wt Allele*. NCI Thesaurus. Code C91270.

Human LIG1 wild-type allele is located within 19q13.2-q13.3 and is approximately 55 kb in length. This allele, which encodes DNA ligase 1 protein, is involved in DNA replication and repair. Mutations of the gene that decrease the enzymatic activity of the protein product are associated with immunodeficiency and increased sensitivity to DNA-damaging agents.