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# SMC1A wt Allele

National Cancer Institute

## Source

National Cancer Institute. *SMC1A wt Allele*. NCI Thesaurus. Code C75407.

Human SMC1A wild-type allele is located within Xp11.22-p11.21 and is approximately 49 kb in length. This allele, which encodes Structural Maintenance of Chromosomes Protein 1A, is involved in the maintenance of cohesion of sister chromatids during mitosis. Mutations in this gene are associated with Cornelia de Lange syndrome.