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# KIT wt Allele

National Cancer Institute

## Source

National Cancer Institute. *KIT wt Allele*. NCI Thesaurus. Code C51741.

Human KIT wild-type allele is located within 4q11-q12 and is approximately 83 kb in length. This allele, which encodes mast/stem cell growth factor receptor protein, plays a role in the mediation of transmembrane-receptor interactions. Mutations in the gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism.