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# KCNQ1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *KCNQ1 wt Allele*. NCI Thesaurus. Code C75623.

Human KCNQ1 wild-type allele is located in the vicinity of 11p15.5 and is approximately 404 kb in length. This allele, which encodes potassium voltage-gated channel subfamily KQT member 1 protein, plays a role in the regulation of both cardiac repolarization and potassium transport. Mutations in the gene are associated with hereditary long QT syndrome, Romano-Ward syndrome, Jervell and Lange-Nielsen syndrome and familial atrial fibrillation.