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# PRKG1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *PRKG1 wt Allele*. NCI Thesaurus. Code C125496.

Human PRKG1 wild-type allele is located in the vicinity of 10q11.2 and is approximately 1307 kb in length. This allele, which encodes cGMP-dependent protein kinase 1 protein, plays a role in both protein phosphorylation and nitric oxide signaling. Mutation of the gene is associated with familial thoracic aortic aneurysm type 8.