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# GPX1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *GPX1 wt Allele*. NCI Thesaurus. Code C55289.

Human GPX1 wild-type allele is located in the vicinity of 3p21.3 and is approximately 12 kb in length. This allele, which encodes glutathione peroxidase 1 protein, is involved in detoxification of hydrogen peroxide. Variant alleles of GPX1 are associated with type 2 diabetes mellitus as well as certain types of cancer such as breast, lung and prostate cancer.