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SERPINA3 wt Allele

National Cancer Institute

Source

National Cancer Institute. *SERPINA3 wt Allele*. NCI Thesaurus. Code C116578.

Human SERPINA3 wild-type allele is located in the vicinity of 14q32.1 and is approximately 33 kb in length. This allele, which encodes alpha-1-antichymotrypsin protein, plays a role in the negative regulation of the activity of both neutrophil cathepsin G and mast cell chymase. Mutation of the gene is associated with alpha-1-antichymotrypsin deficiency and occlusive cerebrovascular disease. Genetic polymorphisms may be associated with increased susceptibility to either Alzheimer disease or Parkinson disease.