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SOD2 wt Allele

National Cancer Institute

Source

National Cancer Institute. *SOD2 wt Allele*. NCI Thesaurus. Code C50931.

Human SOD2 wild-type allele is located in the vicinity of 6q25.3 and is approximately 14 kb in length. This allele, which encodes superoxide dismutase [Mn], mitochondrial protein, is involved in the conversion of superoxide radicals to molecular oxygen and hydrogen peroxide. It also plays a role in modifying iron toxicity. Certain allelic variants of the SOD2 gene are associated with nonfamilial idiopathic cardiomyopathy.